

Result No.	Query			Length	DB	ID	Description
	Score	Match	Length				
1	1496	100.0	274	3	US-09-819-371-5	Sequence 5, Appli	
2	1496	100.0	362	4	US-10-257-021-82	Sequence 82, Appl	
3	1496	100.0	362	5	US-10-631-467-624	Sequence 624, Appl	
4	1496	100.0	442	4	US-10-467-765A-1887	Sequence 1887, Ap	
5	1491	99.7	677	5	US-10-450-763-57085	Sequence 57085, A	
6	1489	99.5	362	3	US-09-819-371-4	Sequence 4, Appli	
7	1311	87.6	271	3	US-09-925-301-1431	Sequence 1431, Ap	
8	1221	81.6	362	5	US-10-631-467-728	Sequence 728, App	
9	1205	80.5	366	5	US-10-287-436A-101	Sequence 101, App	
10	1205	80.5	366	5	US-10-287-436A-162	Sequence 162, App	
11	1205	80.5	366	5	US-10-287-436A-1257	Sequence 1257, Ap	
12	1205	80.5	366	5	US-10-287-436A-1267	Sequence 1267, Ap	
13	1196	79.9	362	5	US-10-287-436A-120	Sequence 120, App	
14	1196	79.9	362	5	US-10-287-436A-1260	Sequence 1260, Ap	
15	1193	79.7	365	5	US-10-741-600-941	Sequence 941, App	
16	1184	79.1	326	4	US-10-380-880-7	Sequence 7, Appli	
17	1184	79.1	338	4	US-10-741-601-380	Sequence 380, App	
18	1184	79.1	338	4	US-10-741-601-388	Sequence 388, App	
19	1184	79.1	338	5	US-10-741-600-1134	Sequence 1134, Ap	
20	1184	79.1	338	5	US-10-741-600-1138	Sequence 1138, Ap	
21	1184	79.1	338	5	US-10-482-029-110	Sequence 110, App	
22	1184	79.1	343	4	US-10-741-601-379	Sequence 379, App	
23	1184	79.1	343	5	US-10-741-600-1139	Sequence 1139, Ap	
24	1183	79.1	365	5	US-10-287-436A-179	Sequence 179, App	
25	1183	79.1	365	5	US-10-287-436A-1268	Sequence 1268, Ap	
26	1175	78.5	365	4	US-10-741-601-325	Sequence 325, App	
27	1175	78.5	365	4	US-10-741-601-326	Sequence 326, App	

```
; APPLICANT: Sherman-Baust, Cheryl A.
; APPLICANT: Pizer, Ellen S.
; APPLICANT: Hough, Colleen D.
; TITLE OF INVENTION: TUMOR MARKERS IN OVARIAN CANCER
; FILE REFERENCE: 14014.0369U2
; CURRENT APPLICATION NUMBER: US/10/257,021
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: PCT/US01/10947
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/194,336
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-257-021-82

Query Match 100.0%; Score 1496; DB 4; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.5e-135; Indels 0; Gaps 0;
Matches 274; Conservative 0; Mismatches 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRIAYEYVDDTQFLRFDSDAAIPRMEPREPWVEQGPQYW 60
Db 22 GSHSLRYFSTAVSRPGRGEPRIAYEYVDDTQFLRFDSDAAIPRMEPREPWVEQGPQYW 81
Qy 61 EWTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGNMGCDMGDPDGLLRGYHQHAYDG 120
Db 82 EWTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGNMGCDMGDPDGLLRGYHQHAYDG 141
Qy 121 KDYSISLNEEDLSWTAADTVAQITQRFYEAEBYAEAFRYLGECELELLRRYLENGKETLQ 180
Db 142 KDYSISLNEEDLSWTAADTVAQITQRFYEAEBYAEAFRYLGECELELLRRYLENGKETLQ 201
Qy 181 RADPPKHAHVHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTQDTLTVETRPAGDGT 240
Db 202 RADPPKHAHVHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTQDTLTVETRPAGDGT 261
Qy 241 FQKWAANVVPSEGEQRYTCHVQHEGLPOPLILRW 274
Db 262 FQKWAANVVPSEGEQRYTCHVQHEGLPOPLILRW 295

RESULT 4
US-10-408-765A-1887
; Sequence 1887, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Faby, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1887
; LENGTH: 442
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1887

Query Match 100.0%; Score 1496; DB 4; Length 442;
Best Local Similarity 100.0%; Pred. No. 2e-135; Indels 0; Gaps 0;
Matches 274; Conservative 0; Mismatches 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRIAYEYVDDTQFLRFDSDAAIPRMEPREPWVEQGPQYW 60
Db 22 GSHSLRYFSTAVSRPGRGEPRIAYEYVDDTQFLRFDSDAAIPRMEPREPWVEQGPQYW 81
Qy 61 EWTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGNMGCDMGDPDGLLRGYHQHAYDG 120
Db 82 EWTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGNMGCDMGDPDGLLRGYHQHAYDG 141
Qy 121 KDYSISLNEEDLSWTAADTVAQITQRFYEAEBYAEAFRYLGECELELLRRYLENGKETLQ 180
Db 142 KDYSISLNEEDLSWTAADTVAQITQRFYEAEBYAEAFRYLGECELELLRRYLENGKETLQ 201
Qy 181 RADPPKHAHVHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTQDTLTVETRPAGDGT 240
Db 202 RADPPKHAHVHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTQDTLTVETRPAGDGT 261
Qy 241 FQKWAANVVPSEGEQRYTCHVQHEGLPOPLILRW 274
Db 262 FQKWAANVVPSEGEQRYTCHVQHEGLPOPLILRW 295

RESULT 5
US-10-450-763-57085
; Sequence 57085, Application US/10450763
; Publication No. US20050196754A1
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; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 57085
; LENGTH: 677
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (587)..(605)
; OTHER INFORMATION: Immunoglobulins and major histocompatibility complex proteins
; OTHER INFORMATION: domain identified by eMATRIX, accession number BL00290B, p-value=
; OTHER INFORMATION: 7.750e-19, raw score of 13.17
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (331)..(509)
; OTHER INFORMATION: Class I Histocompatibility antigen, domains domain identified
; OTHER INFORMATION: by Pfam, accession name MHC_I, E-value=5.8e-132, Pfam score of
; OTHER INFORMATION: 451.8
US-10-450-763-57085
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Query Match      99.7%; Score 1491; DB 5; Length 677;
Best Local Similarity 99.6%; Pred. No. 1.1e-134;
Matches 273; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPREPWWVEQSGPOYW 60
DB 331 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPREPWWVEQSGPOYW 390
QY 61 EWTTCYAKANAQTDVALNLLRRYNQSEAGSHTLQGNMGCDMGPDGRLRLRGYHQAIDG 120
DB 391 EWTTCYAKANAQTDVALNLLRRYNQSEAGSHTLQGNMGCDMGPDGRLRLRGYHQAIDG 450
QY 121 KDYISLNEDLSRWTAAADTVAQITQRFYEAEEYAEFRYTLGEGCLELLRRYLENGKETLQ 180
DB 451 KDYISLNEDLSRWTAAADTVAQITQRFYEAEEYAEFRYTLGEGCLELLRRYLENGKETLQ 510
QY 181 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTDTELVTETRPAGDGT 240
DB 511 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTDTELVTETRPAGDGT 570
QY 241 FQKWAADVVPSEGEORYTCHVQHEGLPQPLILRW 274
DB 571 FQKWAADVVPSEGEORYTCHVQHEGLPQPLILRW 604
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RESULT 6
US-09-819-371-4
; Sequence 4, Application US/09819371
; Publication No. US20040053344A1
; GENERAL INFORMATION:
; APPLICANT: Egawa, Kohji
; TITLE OF INVENTION: Cancer Cell-Specific HLA-F Antigen and a Diagnostic Method of Can
; FILE REFERENCE: 30815
; CURRENT APPLICATION NUMBER: US/09/819,371
; CURRENT FILING DATE: 2002-03-15
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 362
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-819-371-4
Query Match      99.5%; Score 1489; DB 3; Length 362;
Best Local Similarity 99.6%; Pred. No. 7.2e-135;
Matches 273; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPREPWWVEQSGPOYW 60
DB 22 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPREPWWVEQSGPOYW 81
QY 61 EWTTCYAKANAQTDVALNLLRRYNQSEAGSHTLQGNMGCDMGPDGRLRLRGYHQAIDG 120
DB 82 EWTTCYAKANAQTDVALNLLRRYNQSEAGSHTLQGNMGCDMGPDGRLRLRGYHQAIDG 141
QY 121 KDYISLNEDLSRWTAAADTVAQITQRFYEAEEYAEFRYTLGEGCLELLRRYLENGKETLQ 180
DB 142 KDYISLNEDLSRWTAAADTVAQITQRFYEAEEYAEFRYTLGEGCLELLRRYLENGKETLQ 201
QY 181 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTDTELVTETRPAGDGT 240
DB 202 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTDTELVTETRPAGDGT 261
QY 241 FQKWAADVVPSEGEORYTCHVQHEGLPQPLILRW 274
DB 262 FQKWAADVVPSEGEORYTCHVQHEGLPQPLILRW 295
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RESULT 7

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US-09-925-301-1431
; Sequence 1431, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PAL06
; CURRENT APPLICATION NUMBER: US/09/925,301
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1431
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-301-1431
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```

Query Match      87.6%; Score 1311; DB 3; Length 271;
Best Local Similarity 99.6%; Pred. No. 7.4e-118;
Matches 241; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPREPWWVEQSGPOYW 60
DB 28 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPREPWWVEQSGPOYW 87
QY 61 EWTTCYAKANAQTDVALNLLRRYNQSEAGSHTLQGNMGCDMGPDGRLRLRGYHQAIDG 120
DB 88 EWTTCYAKANAQTDVALNLLRRYNQSEAGSHTLQGNMGCDMGPDGRLRLRGYHQAIDG 147
QY 121 KDYISLNEDLSRWTAAADTVAQITQRFYEAEEYAEFRYTLGEGCLELLRRYLENGKETLQ 180
DB 148 KDYISLNEDLSRWTAAADTVAQITQRFYEAEEYAEFRYTLGEGCLELLRRYLENGKETLQ 207
QY 181 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTDTELVTETRPAGDGT 240
DB 208 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTDTELVTETRPAGDGT 267
QY 241 FQ 242
DB 268 FR 269
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RESULT 8
US-10-631-467-728
; Sequence 728, Application US/10631467
; Publication No. US20050208496A1
; GENERAL INFORMATION:
; APPLICANT: Genex Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive p
; TITLE OF INVENTION: disease
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631.467
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 728
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-631-467-728

Query Match      81.6%; Score 1221; DB 5; Length 362;
Best Local Similarity 81.4%; Pred. No. 5.3e-109;
Matches 223; Conservative 20; Mismatches 31; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRIAYVEYDDTQFLRFDSDAAI PRMEPREPWVEQGPQYWE 60
Db 25 GSHSMRYFTSVSRPGRGEPRIISVGYVDDTQFVRFSDAASPRGEPRAPWIEQGPYWE 84
Qy 61 EWTGYAKANAQTDRLVALNRLRRYNOSEAGSHTLQGMNCGDMPDGLRLLRGYHQHAYDG 120
Db 85 DRNTQIYKAQTDRLVALNRLRRYNOSEAGSHTLQGMNCGDMPDGLRLLRGYHQHAYDG 144
Qy 121 KDYISLNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 180
Db 145 KDYIALNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 204
Qy 181 RADPPKAHVHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 240
Db 205 RADPPKTHVTHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 264
Qy 241 FQKAAVVVPVSGEQRYYTCHVQHEGLPOPLILRW 274
Db 265 FQKAAVVVPVSGEQRYYTCHVQHEGLPKPLTLRW 298

RESULT 9
US-10-287-436A-101
; Sequence 101, Application US/10287436A
; Publication No. US2005020421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287.436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-101

Query Match      80.5%; Score 1205; DB 5; Length 366;
Best Local Similarity 81.3%; Pred. No. 1.9e-107;
Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;

Qy 2 SHSLRYFSTAVSRPGRGEPRIAYVEYDDTQFLRFDSDAAI PRMEPREPWVEQGPQYWE 61
Db 26 SHSMRYFTAVSRPGRGEPRIISVGYVDDTQFVRFSDAASPRGEPRAPWIEQGPYWE 85
Qy 62 WTTGYAKANAQTDRLVALNRLRRYNOSEAGSHTLQGMNCGDMPDGLRLLRGYHQHAYDGK 121
Db 86 RETQYKQQAQADRVNLRKLRGYNOSEAGSHTLQGMNCGDLPDGLRLLRGYDQSAIDGK 145
Qy 122 DYISLNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 181
Db 146 DYIALNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 205
Qy 182 ADPPKAHVHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 241
Db 206 AEHPKTHVTHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 265

RESULT 11
US-10-287-436A-1257
; Sequence 1257, Application US/10287436A
; Publication No. US2005020421A1
```

```
Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;

Qy 2 SHSLRYFSTAVSRPGRGEPRIAYVEYDDTQFLRFDSDAAI PRMEPREPWVEQGPQYWE 61
Db 26 SHSMRYFTAVSRPGRGEPRIISVGYVDDTQFVRFSDAASPRGEPRAPWIEQGPYWE 85
Qy 62 WTTGYAKANAQTDRLVALNRLRRYNOSEAGSHTLQGMNCGDMPDGLRLLRGYHQHAYDGK 121
Db 86 RETQYKQQAQADRVNLRKLRGYNOSEAGSHTLQGMNCGDLPDGLRLLRGYDQSAIDGK 145
Qy 122 DYISLNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 181
Db 146 DYIALNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 205
Qy 182 ADPPKAHVHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 241
Db 206 AEHPKTHVTHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 265
Qy 242 QKAAVVVPVSGEQRYYTCHVQHEGLPOPLILRW 274
Db 266 QKAAVVVPVSGEQRYYTCHVQHEGLPEPLTLRW 298
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RESULT 10
US-10-287-436A-162
; Sequence 162, Application US/10287436A
; Publication No. US2005020421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287.436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-162

Query Match      80.5%; Score 1205; DB 5; Length 366;
Best Local Similarity 81.3%; Pred. No. 1.9e-107;
Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;

Qy 2 SHSLRYFSTAVSRPGRGEPRIAYVEYDDTQFLRFDSDAAI PRMEPREPWVEQGPQYWE 61
Db 26 SHSMRYFTAVSRPGRGEPRIISVGYVDDTQFVRFSDAASPRGEPRAPWIEQGPYWE 85
Qy 62 WTTGYAKANAQTDRLVALNRLRRYNOSEAGSHTLQGMNCGDMPDGLRLLRGYHQHAYDGK 121
Db 86 RETQYKQQAQADRVNLRKLRGYNOSEAGSHTLQGMNCGDLPDGLRLLRGYDQSAIDGK 145
Qy 122 DYISLNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 181
Db 146 DYIALNEDLSRWSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRLYENKGTQLQ 205
Qy 182 ADPPKAHVHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 241
Db 206 AEHPKTHVTHPIISDHEATLRCWALGFYPABITLITWQDGEEOQTDTLQDTLQDTLQDTLQ 265
Qy 242 QKAAVVVPVSGEQRYYTCHVQHEGLPOPLILRW 274
Db 266 QKAAVVVPVSGEQRYYTCHVQHEGLPEPLTLRW 298
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RESULT 11
US-10-287-436A-1257
; Sequence 1257, Application US/10287436A
; Publication No. US2005020421A1
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GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: RHEUMATOID ARTHRITIS
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1257
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-1257

Query Match 80.5%; Score 1205; DB 5; Length 366;
Best Local Similarity 81.3%; Pred. No. 1.9e-107;
Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;
QY 2 SHSLRYFSTAVSRPGRGEPRIYAVYDDTQFLRFDSDAAIPRMEPREPWEQGPQYWE 61
DB 26 SHSMRYFDTAVSRPGRGEPRIYAVYDDTQFLRFDSDAAIPRMEPREPWEQGPQYWD 85
QY 62 WTTGAKANAQDRVALNRLRRYNSQSEAGSHTLQMGNGCDMPDGRLLRGYHAYDGG 121
DB 86 RETQYKXQAQADRVNLRKLRGYNSQSEAGSHTLQMGNGCDLPDGRLLRGYDQSAVDGK 145
QY 122 DVIISNEDLRSWTAADTVAQITQRFVEABEYAEERTYLEGECLELLRRYLENGKETLOR 181
DB 146 DYIALNEDLRSWTAADTVAQITQRFVEABEYAEERTYLEGECLELLRRYLENGKETLOR 205
QY 182 ADPPKHAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEQOTQDTLVELTRPAGDGT 241
DB 206 AEHPKXTHVTHHPVSDHEATLRCWALGFYPAEITLTWQRDGEQOTQDTLVELTRPAGDGT 265
QY 242 QKMAAVVVPSEGEQRYTCHVQHEGLPQPLILRW 274
DB 266 QKMAAVVVPSEGEQRYTCHVQHEGLPEPLTLRW 298

RESULT 12
US-10-287-436A-1267
; Sequence 1267, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: RHEUMATOID ARTHRITIS
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1267
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-1267

Query Match 80.5%; Score 1205; DB 5; Length 366;
Best Local Similarity 81.3%; Pred. No. 1.9e-107;
Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;
QY 2 SHSLRYFSTAVSRPGRGEPRIYAVYDDTQFLRFDSDAAIPRMEPREPWEQGPQYWE 61
DB 26 SHSMRYFDTAVSRPGRGEPRIYAVYDDTQFLRFDSDAAIPRMEPREPWEQGPQYWD 85
QY 62 WTTGAKANAQDRVALNRLRRYNSQSEAGSHTLQMGNGCDMPDGRLLRGYHAYDGG 121

DB 86 RETQYKXQAQADRVNLRKLRGYNSQSEAGSHTLQMGNGCDLPDGRLLRGYDQSAVDGK 145
QY 122 DVIISNEDLRSWTAADTVAQITQRFVEABEYAEERTYLEGECLELLRRYLENGKETLOR 181
DB 146 DYIALNEDLRSWTAADTVAQITQRFVEABEYAEERTYLEGECLELLRRYLENGKETLOR 205
QY 182 ADPPKHAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEQOTQDTLVELTRPAGDGT 241
DB 206 AEHPKXTHVTHHPVSDHEATLRCWALGFYPAEITLTWQRDGEQOTQDTLVELTRPAGDGT 265
QY 242 QKMAAVVVPSEGEQRYTCHVQHEGLPQPLILRW 274
DB 266 QKMAAVVVPSEGEQRYTCHVQHEGLPEPLTLRW 298

RESULT 13
US-10-287-436A-120
; Sequence 120, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: RHEUMATOID ARTHRITIS
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-120

Query Match 79.9%; Score 1196; DB 5; Length 362;
Best Local Similarity 80.3%; Pred. No. 1.4e-106;
Matches 220; Conservative 17; Mismatches 37; Indels 0; Gaps 0;
QY 1 GSHSLRYFSTAVSRPGRGEPRIYAVYDDTQFLRFDSDAAIPRMEPREPWEQGPQY 60
DB 25 GSHSMRYFDTAVSRPGRGEPRIYAVYDDTQFLRFDSDAAIPRMEPREPWEQGPQY 84
QY 61 EWTGAKANAQDRVALNRLRRYNSQSEAGSHTLQMGNGCDMPDGRLLRGYHAYDGG 120
DB 85 DRETQISKNTQTYRESLRLRGYNSQSEAGSHTLQMGNGCDLPDGRLLRGYHAYDGG 144
QY 121 KDYISNEDLRSWTAADTVAQITQRFVEABEYAEERTYLEGECLELLRRYLENGKETLQ 180
DB 145 KDYIALNEDLRSWTAADTVAQITQRFVEABEYAEERTYLEGECLELLRRYLENGKETLQ 204
QY 181 RADPPKHAHVAHPISDHEATLRCWALGFYPAEITLTWQRDGEQOTQDTLVELTRPAGDGT 240
DB 205 RADPPKXTHVTHHPVSDHEATLRCWALGFYPAEITLTWQRDGEQOTQDTLVELTRPAGDGT 264
QY 241 FQKMAAVVVPSEGEQRYTCHVQHEGLPQPLILRW 274
DB 265 FQKMAAVVVPSEGEQRYTCHVQHEGLPEPLTLRW 298

RESULT 14
US-10-287-436A-1260
; Sequence 1260, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: RHEUMATOID ARTHRITIS
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220

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; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1260
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-1260

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Query Match          79.9%; Score 1196; DB 5; Length 362;
Best Local Similarity 80.3%; Pred. NO. 1.4e-106;
Matches 220; Conservative 17; Mismatches 37; Indels 0; Gaps 0;
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Qy	1	GSISLRYFSTAVSPRGGEPRYIAEVYDDTQFLRFSDDAAIPRMEPRPWPVEQGPYW	60
Db	25	GSISMRYFHTAMSRPGGEPRFITGVYDDTLFVRFSDDATSPRKEPRAPWIEQGEPEYW	84
Qy	61	EWTGYAKANAQTORVALRNLLRRYNOSEAGSHTLQGMGCDMPDGRLLRGYHOHYADG	120
Db	85	DRETOISKNTQTVRESLRNLRGYNOSEAGSHTWORMYGCDDLPDGRLLRGYNQLAYDG	144
Qy	121	KDYISLNEEDRSWTAADTVAQITQRFYEABEYABEFPTYLEGECELELLRRLYLENGKETLQ	180
Db	145	KDYITALNEDLSWTAADTAQITQKWEAARVAEQDRAYLEGLCVESLRRYLENGKETLQ	204
Qy	181	RADPPKAHVHPISDHEATLRCWALGFYPAEITLTWQDGEETQDTLVEVETPAGDGT	240
Db	205	RADPPKTHVHPISDHEATLRCWALGFYPAEITLTWQDGEDDTQDTLVEVETPAGDRT	264
Qy	241	FOKWAAVVVPSEGEQRYTCHVQHEGLPQPLIRW	274
Db	265	FOKWAAVVVPSEGEORYTCHVQHEGLPKPLIRW	298

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RESULT 15
US-10-741-600-941
; Sequence 941, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73397
; SOFTWARE: fastSEQ for Windows Version 4.0
; SEQ ID NO 941
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-941

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Query Match	79.7%	Score 1193;	DB 5;	Length 365;
Best Local Similarity	79.6%;	Pred. No. 2.7e-106;		
Matches 218; Conservative	19;	Mismatches 37;	Indels 0;	Gaps 0;

[illegible]

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 7, 2006, 12:59:38 ; Search time 72.0035 Seconds
(without alignments)
1247.624 Million cell updates/sec

Title: US-09-819-371-6
Perfect score: 1173
Sequence: 1 IAVEYVDDTQFLRFDSDAAI.....QRDGEQTDTELVTETPAG 215

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:*

1: /cgn2_6/prodata1/pubpa/US07_PUBCOMB.pep.*
2: /cgn2_6/prodata1/pubpa/US08_PUBCOMB.pep.*
3: /cgn2_6/prodata1/pubpa/US09_PUBCOMB.pep.*
4: /cgn2_6/prodata1/pubpa/US10A_PUBCOMB.pep.*
5: /cgn2_6/prodata1/pubpa/US10B_PUBCOMB.pep.*
6: /cgn2_6/prodata1/pubpa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1173	100.0	215	3	US-09-819-371-6
2	1164	99.2	271	3	US-09-925-301-1431
3	1164	99.2	274	3	US-09-819-371-5
4	1164	99.2	362	4	US-10-257-021-82
5	1164	99.2	362	5	US-10-631-467-624
6	1164	99.2	442	4	US-10-408-765A-1887
7	1164	99.2	677	5	US-10-450-763-57085
8	1157	98.6	362	3	US-09-819-371-4
9	921	78.5	362	5	US-10-631-467-728
10	897	76.5	366	5	US-10-287-436A-101
11	897	76.5	366	5	US-10-287-436A-162
12	897	76.5	366	5	US-10-287-436A-1257
13	897	76.5	366	5	US-10-287-436A-1267
14	895	76.3	362	5	US-10-287-436A-120
15	895	76.3	362	5	US-10-287-436A-1260
16	885	75.4	365	5	US-10-741-600-941
17	881	75.1	365	5	US-10-287-436A-179
18	881	75.1	365	5	US-10-287-436A-1268
19	869	74.1	326	4	US-10-380-880-7
20	869	74.1	338	4	US-10-741-601-380
21	869	74.1	338	4	US-10-741-601-386
22	869	74.1	338	5	US-10-741-600-1134
23	869	74.1	338	5	US-10-741-600-1138
24	869	74.1	338	5	US-10-482-029-110
25	869	74.1	343	4	US-10-741-601-379
26	869	74.1	343	5	US-10-741-600-1139
27	867	73.9	365	4	US-10-741-601-325

28	867	73.9	365	4	US-10-741-601-326	Sequence 326, App
29	867	73.9	365	5	US-10-741-600-939	Sequence 939, App
30	867	73.9	365	5	US-10-741-600-940	Sequence 940, App
31	859.5	73.3	379	4	US-10-093-463-78	Sequence 78, Appli
32	859.5	73.3	379	4	US-10-210-172-160	Sequence 160, App
33	852	72.6	364	4	US-10-093-463-80	Sequence 80, Appl
34	849	72.4	365	4	US-10-138-888-23	Sequence 23, Appl
35	848	72.3	280	4	US-10-073-300-6	Sequence 6, Appli
36	848	72.3	280	4	US-10-075-257-6	Sequence 5, Appli
37	848	72.3	415	4	US-10-073-300-5	Sequence 5, Appli
38	848	72.3	415	4	US-10-075-257-5	Sequence 5, Appli
39	848	72.3	421	6	US-11-040-686-42	Sequence 42, Appl
40	848	72.3	510	4	US-10-108-511-5	Sequence 5, Appli
41	848	72.3	510	5	US-10-482-532-5	Sequence 5, Appli
42	846	72.1	365	5	US-10-128-558-136	Sequence 136, App
43	832	70.9	371	4	US-10-085-198-72	Sequence 72, Appl
44	832	70.9	371	4	US-10-210-172-156	Sequence 156, App
45	829	70.7	372	5	US-10-450-255-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-09-819-371-6
; Sequence 6, Application US/09819371
; Publication No. US2004005344A1
; GENERAL INFORMATION:
; APPLICANT: Egawa, Kohji
; TITLE OF INVENTION: Cancer Cell-Specific HLA-F Antigen and a Diagnostic Method of Ca
; FILE REFERENCE: 30815
; CURRENT APPLICATION NUMBER: US/09/819,371
; CURRENT FILING DATE: 2002-03-15
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 6
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-819-371-6

Query Match 100.0%; Score 1173; DB 3; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.3e-108;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	IAVEYVDDTQFLRFDSDAAI	PRMEPRPWPVEQSGPQYWEWTTGYAKANAQTRVALRNLL	60
Db	1	IAVEYVDDTQFLRFDSDAAI	PRMEPRPWPVEQSGPQYWEWTTGYAKANAQTRVALRNLL	60
Qy	61	RYNQSAGSHTLQGMGCDMPGDRLLRGYHQAHDGKDYISLNEDLSRSTAADTVAQI	120	
Db	61	RYNQSAGSHTLQGMGCDMPGDRLLRGYHQAHDGKDYISLNEDLSRSTAADTVAQI	120	
Qy	121	TORFYAEAYAEPTTYLEGECLLRRLRYLNGKETLQRAADPPKVAHHPISDHEATLR	180	
Db	121	TORFYAEAYAEPTTYLEGECLLRRLRYLNGKETLQRAADPPKVAHHPISDHEATLR	180	
Qy	181	CWALGFYPABITLTWQDGEQTDTELVTETPAG	215	
Db	181	CWALGFYPABITLTWQDGEQTDTELVTETPAG	215	

RESULT 2

US-09-925-301-1431
; Sequence 1431, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10

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; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1431
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-301-1431

Query Match          99.2%; Score 1164; DB 3; Length 271;
Best Local Similarity 99.5%; Pred. No. 1.4e-107;
Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVEQGPQYWEWTTGYAKANAQTDRLVALRNL 60
DB 50 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVEQGPQYWEWTTGYAKANAQTDRLVALRNL 109
QY 61 RRYNQSEAGSHTLQGMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 120
DB 110 RRYNQSEAGSHTLQGMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 169
QY 121 TORFYEAEEYAEFFTYLEGECLLLRRYLENGKETLQRADPPPKAHVAHHPISDHEATLR 180
DB 170 TORFYEAEEYAEFFTYLEGECLLLRRYLENGKETLQRADPPPKAHVAHHPISDHEATLR 229
QY 181 CWALGFYPAEITLTWQRDGEETQDTVELVETRPAG 215
DB 230 CWALGFYPAEITLTWQRDGEETQDTVELVETRPAG 264

RESULT 3
US-09-819-371-5
; Sequence 5, Application US/09819371
; Publication No. US2004005344A1
; GENERAL INFORMATION:
; APPLICANT: Egawa, Kohji
; TITLE OF INVENTION: Cancer Cell-Specific HLA-F Antigen and a Diagnostic Method of Can
; FILE REFERENCE: 30815
; CURRENT APPLICATION NUMBER: US/09/819,371
; CURRENT FILING DATE: 2002-03-15
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-819-371-5

Query Match          99.2%; Score 1164; DB 3; Length 274;
Best Local Similarity 99.5%; Pred. No. 1.4e-107;
Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVEQGPQYWEWTTGYAKANAQTDRLVALRNL 60
DB 23 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVEQGPQYWEWTTGYAKANAQTDRLVALRNL 82
QY 61 RRYNQSEAGSHTLQGMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 120
DB 83 RRYNQSEAGSHTLQGMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 142
QY 121 TORFYEAEEYAEFFTYLEGECLLLRRYLENGKETLQRADPPPKAHVAHHPISDHEATLR 180
DB 143 TORFYEAEEYAEFFTYLEGECLLLRRYLENGKETLQRADPPPKAHVAHHPISDHEATLR 202
QY 181 CWALGFYPAEITLTWQRDGEETQDTVELVETRPAG 215
DB 203 CWALGFYPAEITLTWQRDGEETQDTVELVETRPAG 237
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RESULT 4
US-10-257-021-82
; Sequence 82, Application US/10257021
; Publication No. US20030211498A1
; GENERAL INFORMATION:
; APPLICANT: Morin, Patrice J.
; APPLICANT: Sherman-Baust, Cheryl A.
; APPLICANT: Pizer, Ellen S.
; APPLICANT: Hough, Colleen D.
; TITLE OF INVENTION: TUMOR MARKERS IN OVARIAN CANCER
; FILE REFERENCE: 14014.0369U2
; CURRENT APPLICATION NUMBER: US/10/257,021
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: PCT/US01/10947
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/194,336
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-257-021-82

Query Match          99.2%; Score 1164; DB 4; Length 362;
Best Local Similarity 99.5%; Pred. No. 2e-107;
Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVEQGPQYWEWTTGYAKANAQTDRLVALRNL 60
DB 44 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVEQGPQYWEWTTGYAKANAQTDRLVALRNL 103
QY 61 RRYNQSEAGSHTLQGMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 120
DB 104 RRYNQSEAGSHTLQGMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 163
QY 121 TORFYEAEEYAEFFTYLEGECLLLRRYLENGKETLQRADPPPKAHVAHHPISDHEATLR 180
DB 164 TORFYEAEEYAEFFTYLEGECLLLRRYLENGKETLQRADPPPKAHVAHHPISDHEATLR 223
QY 181 CWALGFYPAEITLTWQRDGEETQDTVELVETRPAG 215
DB 224 CWALGFYPAEITLTWQRDGEETQDTVELVETRPAG 258
```

```
RESULT 5
US-10-631-467-624
; Sequence 624, Application US/10631467
; Publication No. US20050208496A1
; GENERAL INFORMATION:
; APPLICANT: Genox Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive p
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631,467
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 624
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-631-467-624

Query Match          99.2%; Score 1164; DB 5; Length 362;
Best Local Similarity 99.5%; Pred. No. 2e-107;
Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY 1 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 60
 DB 44 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 103
 QY 61 RRYNQSEAGSHTLQGNMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLSWTAADTVQAI 120
 DB 104 RRYNQSEAGSHTLQGNMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLSWTAADTVQAI 163
 QY 121 TORFYAEABEYAEFRTYLEGECLLELLRRYLENGKETLQADPPPKAHVAHHPISDHEATLR 180
 DB 164 TORFYAEABEYAEFRTYLEGECLLELLRRYLENGKETLQADPPPKAHVAHHPISDHEATLR 223
 QY 181 CWALGFYPAEITLTWQDGEETQDTVELVETRPAG 215
 DB 224 CWALGFYPAEITLTWQDGEETQDTVELVETRPAG 258

RESULT 6

US-10-408-765A-1887
 ; Sequence 1887, Application US/10408765A
 ; Publication No. US20040101874A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ghosh, Soumitra S.
 ; APPLICANT: Fahy, Roin D.
 ; APPLICANT: Zhang, Bing
 ; APPLICANT: Gibson, Bradford W.
 ; APPLICANT: Taylor, Steven W.
 ; APPLICANT: Glenn, Gary M.
 ; APPLICANT: Wainock, Dale B.
 ; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
 ; FILE REFERENCE: 660088.465
 ; CURRENT APPLICATION NUMBER: US/10/408,765A
 ; CURRENT FILING DATE: 2003-04-04
 ; NUMBER OF SEQ ID NOS: 3077
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1887
 ; LENGTH: 442
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-408-765A-1887

Query Match 99.2%; Score 1164; DB 4; Length 442;
 Best Local Similarity 99.5%; Pred. No. 2.6e-107;
 Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 60
 DB 44 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 103
 QY 61 RRYNQSEAGSHTLQGNMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLSWTAADTVQAI 120
 DB 104 RRYNQSEAGSHTLQGNMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLSWTAADTVQAI 163
 QY 121 TORFYAEABEYAEFRTYLEGECLLELLRRYLENGKETLQADPPPKAHVAHHPISDHEATLR 180
 DB 164 TORFYAEABEYAEFRTYLEGECLLELLRRYLENGKETLQADPPPKAHVAHHPISDHEATLR 223
 QY 181 CWALGFYPAEITLTWQDGEETQDTVELVETRPAG 215
 DB 224 CWALGFYPAEITLTWQDGEETQDTVELVETRPAG 258

RESULT 7

US-10-450-763-57085
 ; Sequence 57085, Application US/10450763
 ; Publication No. US20050196754A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hyseq, Inc
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
 ; FILE REFERENCE: 790CIP3/US
 ; CURRENT APPLICATION NUMBER: US/10/450,763
 ; CURRENT FILING DATE: 2003-06-11

; PRIOR APPLICATION NUMBER: PCT/US01/08631
 ; PRIOR FILING DATE: 2001-03-30
 ; PRIOR APPLICATION NUMBER: 09/540,217
 ; PRIOR FILING DATE: 2000-03-31
 ; PRIOR APPLICATION NUMBER: 09/649,167
 ; PRIOR FILING DATE: 2000-08-23
 ; NUMBER OF SEQ ID NOS: 60736
 ; SOFTWARE: Custom
 ; SEQ ID NO 57085
 ; LENGTH: 677
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (587)..(605)
 ; OTHER INFORMATION: Immunoglobulins and major histocompatibility complex proteins
 ; OTHER INFORMATION: domain identified by eMatrix, accession number BL002908, p-value
 ; OTHER INFORMATION: 7.750e-19, raw score of 13.17
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (331)..(509)
 ; OTHER INFORMATION: Class I Histocompatibility antigen, domains domain identified
 ; OTHER INFORMATION: by Pfam, accession name MHC_I, E-value=5.8e-132, Pfam score of
 ; OTHER INFORMATION: 451.8
 US-10-450-763-57085

Query Match 99.2%; Score 1164; DB 5; Length 677;
 Best Local Similarity 99.5%; Pred. No. 4.5e-107;
 Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 60
 DB 353 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 412
 QY 61 RRYNQSEAGSHTLQGNMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLSWTAADTVQAI 120
 DB 413 RRYNQSEAGSHTLQGNMGCDMPDGRLLRGYHQHAWDGKDYISLNEDLSWTAADTVQAI 472
 QY 121 TORFYAEABEYAEFRTYLEGECLLELLRRYLENGKETLQADPPPKAHVAHHPISDHEATLR 180
 DB 473 TORFYAEABEYAEFRTYLEGECLLELLRRYLENGKETLQADPPPKAHVAHHPISDHEATLR 532
 QY 181 CWALGFYPAEITLTWQDGEETQDTVELVETRPAG 215
 DB 533 CWALGFYPAEITLTWQDGEETQDTVELVETRPAG 567

RESULT 8

US-09-819-371-4
 ; Sequence 4, Application US/09819371
 ; Publication No. US20040053344A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Egawa, Kohji
 ; TITLE OF INVENTION: Cancer Cell-Specific HLA-F Antigen and a Diagnostic Method of Ca.
 ; TITLE OF INVENTION: Using Thereof
 ; FILE REFERENCE: 30815
 ; CURRENT APPLICATION NUMBER: US/09/819,371
 ; CURRENT FILING DATE: 2002-03-15
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: Patent version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 362
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-819-371-4

Query Match 98.6%; Score 1157; DB 3; Length 362;
 Best Local Similarity 99.1%; Pred. No. 9.9e-107;
 Matches 213; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 60
 DB 44 IAVEYVDDTQFLRFDSDAAIPRMEPREPWVEQSGPOYWEWTTGYAKANAQTDRLVALRNLL 103

; GENERAL INFORMATION:
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
 ; TITLE OF INVENTION: RHEUMATOID ARTHRITIS
 ; FILE REFERENCE: 10872.514696
 ; CURRENT APPLICATION NUMBER: US/10/287,436A
 ; CURRENT FILING DATE: 2002-10-31
 ; PRIOR APPLICATION NUMBER: US 60/336,220
 ; PRIOR FILING DATE: 2001-10-31
 ; NUMBER OF SEQ ID NOS: 1446
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1257
 ; LENGTH: 366
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-287-436A-1257

Query Match 76.5%; Score 897; DB 5; Length 366;
 Best Local Similarity 78.1%; Pred. No. 9.2e-81;
 Matches 168; Conservative 14; Mismatches 33; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFLRFSDAAIPRMEPPWVEQSGPOYWEWTTGYAKANAOTDRVALRNL 60
 Db 47 ISGVYDDTQFVNFSDAASPRGEPAPWVEQSGPEYWDRETQKYKQQAQDRVNLKLR 106
 Qy 61 RRYNQSEAGSHTLQGMNGCDMPDGLRLLRGYHQHAWDGKDYISLNEDLSRSTAADTVAQI 120
 Db 107 GYTNQSEAGSHTLQGMNGCDLPDGLRLLRGYDQSAVDGKYIALNEDLSRSTAADTAAQI 166
 Qy 121 TQPFYAEYAEFRYLYEGECLELLRRYLENGKETLQADPPKHAHVAHPISDHEATLR 180
 Db 167 TQKWEAREAEQWRAYLEGTCVWEVRLYLENGKETLQRAEHPKTHVTHHPISDHEATLR 226

Qy 181 CWALGFYPAEITLITWQDGEQDTDELVELTRPAG 215
 Db 227 CWALGFYPAEITLITWQDGEQDTDELVELTRPAG 261

RESULT 13
 US-10-287-436A-1267
 ; Sequence 1267, Application US/10287436A
 ; Publication No. US20050202421A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
 ; TITLE OF INVENTION: RHEUMATOID ARTHRITIS
 ; FILE REFERENCE: 10872.514696
 ; CURRENT APPLICATION NUMBER: US/10/287,436A
 ; CURRENT FILING DATE: 2002-10-31
 ; PRIOR APPLICATION NUMBER: US 60/336,220
 ; PRIOR FILING DATE: 2001-10-31
 ; NUMBER OF SEQ ID NOS: 1446
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1267
 ; LENGTH: 366
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-287-436A-1267

Query Match 76.5%; Score 897; DB 5; Length 366;
 Best Local Similarity 78.1%; Pred. No. 9.2e-81;
 Matches 168; Conservative 14; Mismatches 33; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFLRFSDAAIPRMEPPWVEQSGPOYWEWTTGYAKANAOTDRVALRNL 60
 Db 47 ISGVYDDTQFVNFSDAASPRGEPAPWVEQSGPEYWDRETQKYKQQAQDRVNLKLR 106
 Qy 61 RRYNQSEAGSHTLQGMNGCDMPDGLRLLRGYHQHAWDGKDYISLNEDLSRSTAADTVAQI 120
 Db 107 GYTNQSEAGSHTLQGMNGCDLPDGLRLLRGYDQSAVDGKYIALNEDLSRSTAADTAAQI 166
 Qy 121 TQPFYAEYAEFRYLYEGECLELLRRYLENGKETLQADPPKHAHVAHPISDHEATLR 180
 Db 167 TQKWEAREAEQWRAYLEGTCVWEVRLYLENGKETLQRAEHPKTHVTHHPISDHEATLR 226

Qy 181 CWALGFYPAEITLITWQDGEQDTDELVELTRPAG 215
 Db 227 CWALGFYPAEITLITWQDGEQDTDELVELTRPAG 261

RESULT 14
 US-10-287-436A-1260
 ; Sequence 1260, Application US/10287436A
 ; Publication No. US20050202421A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
 ; TITLE OF INVENTION: RHEUMATOID ARTHRITIS
 ; FILE REFERENCE: 10872.514696
 ; CURRENT APPLICATION NUMBER: US/10/287,436A
 ; CURRENT FILING DATE: 2002-10-31
 ; PRIOR APPLICATION NUMBER: US 60/336,220
 ; PRIOR FILING DATE: 2001-10-31
 ; NUMBER OF SEQ ID NOS: 1446
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1260
 ; LENGTH: 362
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-287-436A-1260

Query Match 76.3%; Score 895; DB 5; Length 362;
 Best Local Similarity 77.7%; Pred. No. 1.4e-80;
 Matches 167; Conservative 14; Mismatches 34; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFLRFSDAAIPRMEPPWVEQSGPOYWEWTTGYAKANAOTDRVALRNL 60
 Db 47 ITGVYDDTFLVRFSDATSPKPEPPAPWIEQSGPEYWDRETQISKTINTTRESUNLR 106
 Qy 61 RRYNQSEAGSHTLQGMNGCDMPDGLRLLRGYHQHAWDGKDYISLNEDLSRSTAADTVAQI 120
 Db 107 GYTNQSEAGSHTQWQVMYGCGLDGLRLLRGYNQLAYDGDYIALNEDLSSTAADTAAQI 166
 Qy 121 TQPFYAEYAEFRYLYEGECLELLRRYLENGKETLQADPPKHAHVAHPISDHEATLR 180
 Db 167 TQKWEAREAEQWRAYLEGTCVWEVRLYLENGKETLQADPPKTHVTHHPISDHEATLR 226

Qy 181 CWALGFYPAEITLITWQDGEQDTDELVELTRPAG 215
 Db 227 CWALGFYPAEITLITWQDGEQDTDELVELTRPAG 261

RESULT 15
 US-10-287-436A-1260
 ; Sequence 1260, Application US/10287436A
 ; Publication No. US20050202421A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
 ; TITLE OF INVENTION: RHEUMATOID ARTHRITIS
 ; FILE REFERENCE: 10872.514696
 ; CURRENT APPLICATION NUMBER: US/10/287,436A
 ; CURRENT FILING DATE: 2002-10-31
 ; PRIOR APPLICATION NUMBER: US 60/336,220
 ; PRIOR FILING DATE: 2001-10-31
 ; NUMBER OF SEQ ID NOS: 1446
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1260
 ; LENGTH: 362
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-287-436A-1260

Query Match 76.3%; Score 895; DB 5; Length 362;
 Best Local Similarity 77.7%; Pred. No. 1.4e-80;
 Matches 167; Conservative 14; Mismatches 34; Indels 0; Gaps 0;

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Qy 1 IAVEYVDDTOFLRFDSDAAIPRMEPRPFWVEQGPQYWEWTTGYAKANAOTDRVALRNL 60
Db 47 ITVGYYDDTLFVRFDSDATSPRKEPRAPWIEQSGPEYWDRETQISKNTQTYRESLRNL 106
Qy 61 RRYNQSEAGSHTLQGMNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 107 GYNNQSEAGSHTWQRWYGC DLGPDGRLLRGYNQLAYDGVIALNEDLSSWTAADTAAQI 166
Qy 121 TORFYBAEEVABEFRTYLEGECLELLRRYLENGKETLORADPPKAVVAHHPISDHEATLR 180
Db 167 TORKWEAARVAEQDRAYLEGLCVESLRRYLENGKETLORADPPKTHVTHHPISDHEATLR 226
Qy 181 CWALGFYPAEITLTWQDGBEOTDTLVETRPAG 215
Db 227 CWALGFYPAEITLTWQDGBEOTDTLVETRPAG 261

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Search completed: April 7, 2006, 13:05:58
 Job time : 73.0035 secs

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OM protein - protein search, using sw model

Run on: April 7, 2006, 12:39:36 ; Search time 35.7321 Seconds
(without alignments)
837.583 Million cell updates/sec

Title: US-09-819-371-4
Perfect score: 1922
Sequence: 1 MAPRSLLLSGALALTDW.....QAAVTSAGSGVSLTANKV 362

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/1/iaa/5 COMB.pep.*
- 2: /cgn2_6/prodata/1/iaa/6 COMB.pep.*
- 3: /cgn2_6/prodata/1/iaa/H COMB.pep.*
- 4: /cgn2_6/prodata/1/iaa/PCTUS COMB.pep.*
- 5: /cgn2_6/prodata/1/iaa/RE COMB.pep.*
- 6: /cgn2_6/prodata/1/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1911	99.4	362	2	US-09-949-016-8242 Sequence 8242, Ap
2	1497	77.9	365	1	US-08-484-905-100 Sequence 100, Ap
3	1497	77.9	365	2	US-08-481-985B-100 Sequence 100, Ap
4	1497	77.9	365	2	US-08-652-265-23 Sequence 23, Appl
5	1497	77.9	365	2	US-08-834-497A-23 Sequence 23, Appl
6	1497	77.9	365	2	US-08-370-476-100 Sequence 100, Ap
7	1497	77.9	365	2	US-09-503-444A-23 Sequence 100, Ap
8	1497	77.9	365	1	US-08-484-905-99 Sequence 99, Appl
9	1494	77.7	365	1	US-08-484-905-104 Sequence 99, Appl
10	1494	77.7	365	2	US-08-481-985B-99 Sequence 99, Appl
11	1494	77.7	365	2	US-08-481-985B-104 Sequence 104, Ap
12	1494	77.7	365	2	US-08-370-476-99 Sequence 99, Appl
13	1494	77.7	365	2	US-08-370-476-104 Sequence 104, Ap
14	1490	77.5	365	1	US-08-484-905-97 Sequence 97, Appl
15	1490	77.5	365	1	US-08-484-905-98 Sequence 98, Appl
16	1490	77.5	365	2	US-08-481-985B-97 Sequence 97, Appl
17	1490	77.5	365	2	US-08-481-985B-98 Sequence 98, Appl
18	1490	77.5	365	2	US-08-370-476-97 Sequence 97, Appl
19	1490	77.5	365	2	US-08-370-476-98 Sequence 98, Appl
20	1485	77.3	365	1	US-08-484-905-103 Sequence 103, Ap
21	1485	77.3	365	2	US-08-481-985B-103 Sequence 103, Ap
22	1485	77.3	365	2	US-08-370-476-103 Sequence 103, Ap
23	1484	77.2	365	1	US-08-484-905-102 Sequence 102, Ap
24	1484	77.2	365	2	US-08-481-985B-102 Sequence 102, Ap
25	1484	77.2	365	2	US-08-370-476-102 Sequence 102, Ap
26	1476	76.8	365	1	US-08-484-905-101 Sequence 101, Ap
27	1476	76.8	365	2	US-08-481-985B-101 Sequence 101, Ap

ALIGNMENTS

RESULT 1

US-09-949-016-8242
; Sequence 8242, Application US/09949016
; Patent No. 6812339

GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8242
; LENGTH: 362
; TYPE: PRT

; ORGANISM: Human
US-09-949-016-8242

Query Match 99.4%; Score 1911; DB 2; Length 362;
Best Local Similarity 99.4%; Pred. No. 9.7e-181;
Matches 360; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY	1	MAPRSLLLSGALALTDWAGSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFS	60
DB	1	MAPRSLLLSGALALTDWAGSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFS	60
QY	61	AAIPMEPREPWEQEGPYQWETTTGYAKANAQTDVRLNLLRRYNQSEAGSHTLQGN	120
DB	61	AAIPMEPREPWEQEGPYQWETTTGYAKANAQTDVRLNLLRRYNQSEAGSHTLQGN	120
QY	121	CGDMGPDGRLRGYHQHAYDGYISLNEQLRSWTAADTVAQITQRFYBAEYAEFRY	180
DB	121	CGDMGPDGRLRGYHQHAYDGYISLNEQLRSWTAADTVAQITQRFYBAEYAEFRY	180
QY	181	LEGECELLRRVLENGLETLPADPPKAVHHPISDHEATLRCWALGYPATITLWQR	240
DB	181	LEGECELLRRVLENGLETLPADPPKAVHHPISDHEATLRCWALGYPATITLWQR	240
QY	241	DGEETQDTLVEYTRPAGDGTFOKWAADVVPSEGEQRYTCHVQHEGLPQLLRWEQSP	300
DB	241	DGEETQDTLVEYTRPAGDGTFOKWAADVVPSEGEQRYTCHVQHEGLPQLLRWEQSP	300
QY	301	FTPIVIGIVAGLVILGAVVTGAVVAAMVRKKSQRNRGYSQAATVDSAQSGVSLTAN	360

Db 301 PPIPIVGIAGLVVLGAVVTGAVVAAMVRKSSDRNRGSYQAAVTDSDAQSGVSLTAN 360
QY 361 KV 362
Db 361 KV 362

RESULT 2

US-08-484-905-100
; Sequence 100, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
; TITLE OF INVENTION: Determinant
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 100:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-100

Query Match 77.9%; Score 1497; DB 1; Length 365;
Best Local Similarity 77.6%; Pred. No. 1e-139;
Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;
QY 1 MAPSRILLLSGALALTDWAGSHSLRYFSTAVSRPGEPRIAYEVYDDTFQFRFSD 60
Db 4 MAPRTLVLSSGALALTQWAGSHSMRYFTYVSVRPGEPRIAYGVYDDTFQFRFSD 63
QY 61 AAIPEPPEPVEQGPQYEWTTGYAKANAQTDRLVALNLLRRYNQSEAGSHTLQGN 120
Db 64 AASQMEPAPWIEQGEYWDGETKVKAKHSQTHRVLDLSTLRGYNQSEAGSHVQRMF 123
QY 121 GCDMGPDGRLRGYHQHVDGDKYISLNEBLSWTAADTVAQITQRFYEAEYAEFTY 180

Db 124 GCDVSGDRFLRGYHQYAYDKDYIALKEDLRSWTAADMAAQTTKKWAAHVAQLRAY 183
QY 181 LEGECLELLRRYLENGLETQADPPKAKVAHHPISDHEATLRCWALGFYPAEITLTWQR 240
Db 184 LEGTCVEWLRYLENGKETLQRTDAPKTHMTHHAVSDHEATLRCWALSFYPAEITLTWQR 243
QY 241 DGEQOTQDELVELVETRPAGDGTFOKAAVVVPSGBEORYTCHVQHEGLPQPLILRWEQSPQ 300
Db 244 DGEDOTQDELVELVETRPAGDGTFOKAAVVVPSGGEORYTCHVQHEGLPKPLTLPHPESSQ 303
QY 301 PPIPIVGIAGLVVLGAVVTGAVVAAMVRKSSDRNRGSYQAAVTDSDAQSGVSLTAN 360
Db 304 PPIPIVGIAGLVVLGAVVTGAVVAAMVRKSSDRNRGSYQAAVTDSDAQSGVSLTAC 363
QY 361 KV 362
Db 364 KV 365

RESULT 3

US-08-481-985B-100
; Sequence 100, Application US/08481985B
; Patent No. 6011146
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,985B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 100:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-481-985B-100

Query Match 77.9%; Score 1497; DB 2; Length 365;
Best Local Similarity 77.6%; Pred. No. 1e-139;
Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;

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QY 1 MAPRSLLLLSGALALTDWAGSHSLRYFSTAVSRPGRGPRIYAVYVDDTQFLRPSD 60
Db 4 MAPRTLVLSSGALALTDWAGSHSMRYFTSVSRPGRGPRIYAVGVDDTQVRFPSD 63
QY 61 AAPRMEPRPWPVQEGPYWWTGKAKANAQTDRLVALRNLRLRRYNSQSEAGSHTLQGMN 120
Db 64 AASQRMPEPRAPWIEQEGPEYWDGETRKYKAHSQTHRVDLSTLRGYNSQSEAGSHTVQMP 123
QY 121 GCDMGPDGRLRGYHQAIDGKDYISLNEDLSRSTAAADTVQAQITQRFYBAEYAEPRTY 180
Db 124 GCDVSGDRFLRGYHQAIDGKDYIALKEDLSRSTAAADMAAQTTHKWEAAHVAEQRLAY 183
QY 181 LEGECLELLRRYLENGLETQADPPKAAHVAHPISDHEATLRCWALGFYPAEITLTWQR 240
Db 184 LEGTCVWLRYLENGKETLQRTDAPKTHMTTHAVSDHEATLRCWALSFPYPAEITLTWQR 243
QY 241 DGEBOQTDELTVETRPAGDGTQKAAAVVVPVSGEQRYTCHVQHEGLPQLILRWESQP 300
Db 244 DGEDQTDDELTVETRPAGDGTQKAAAVVVPVSGEQRYTCHVQHEGLPKPLTLRWPSQ 303
QY 301 PTPIVIGVAGLVGLGAVVTGAVVAAMVRKSSDRNRGYSQAADVTSAGSGVSLTAN 360
Db 304 PTPIVIGIAGLVGLGAVITGAVVAAMVRKSSDRKGSYSQAASSDSAQSDVSLTAC 363
QY 361 KV 362
Db 364 KV 365
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RESULT 4

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US-08-652-265-23
; Sequence 23, Application US/08652265
; Patent No. 6025130
; GENERAL INFORMATION:
; APPLICANT: Thomas, Winston J.
; APPLICANT: Drayna, Dennis T.
; APPLICANT: Feder, John N.
; APPLICANT: Gnirke, Andreas
; APPLICANT: Ruddy, David
; APPLICANT: Tsuchihasi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Hereditary Hemochromatosis Gene
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/652,265
; FILING DATE: 23-MAY-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 17957-000500
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..365
; OTHER INFORMATION: /note= "Human Major Histocompatibility
; OTHER INFORMATION: Class I (MHC) protein"
US-08-652-265-23
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Query Match 77.9%; Score 1497; DB 2; Length 365;
Best Local Similarity 77.9%; Pred. No. 1e-139;
Matches 282; Conservative 28; Mismatches 52; Indels 0; Gaps 0;
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QY 1 MAPRSLLLLSGALALTDWAGSHSLRYFSTAVSRPGRGPRIYAVYVDDTQFLRPSD 60
Db 4 MAPRTLVLSSGALALTDWAGSHSMRYFTSVSRPGRGPRIYAVGVDDTQVRFPSD 63
QY 61 AAPRMEPRPWPVQEGPYWWTGKAKANAQTDRLVALRNLRLRRYNSQSEAGSHTLQGMN 120
Db 64 AASQRMPEPRAPWIEQEGPEYWDGETRKYKAHSQTHRVDLSTLRGYNSQSEAGSHTLQMMF 123
QY 121 GCDMGPDGRLRGYHQAIDGKDYISLNEDLSRSTAAADTVQAQITQRFYBAEYAEPRTY 180
Db 124 GCDVSGDRFLRGYHQAIDGKDYIALKEDLSRSTAAADMAAQTTHKWEAAHVAEQRLAY 183
QY 181 LEGECLELLRRYLENGLETQADPPKAAHVAHPISDHEATLRCWALGFYPAEITLTWQR 240
Db 184 LEGTCVWLRYLENGKETLQRTDAPKTHMTTHAVSDHEATLRCWALSFPYPAEITLTWQR 243
QY 241 DGEBOQTDELTVETRPAGDGTQKAAAVVVPVSGEQRYTCHVQHEGLPQLILRWESQP 300
Db 244 DGEDQTDDELTVETRPAGDGTQKAAAVVVPVSGEQRYTCHVQHEGLPKPLTLRWPSQ 303
QY 301 PTPIVIGVAGLVGLGAVVTGAVVAAMVRKSSDRNRGYSQAADVTSAGSGVSLTAN 360
Db 304 PTPIVIGIAGLVGLGAVITGAVVAAMVRKSSDRKGSYSQAASSDSAQSDVSLTAC 363
QY 361 KV 362
Db 364 KV 365
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RESULT 5

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US-08-834-497A-23
; Sequence 23, Application US/08834497A
; Patent No. 6140305
; GENERAL INFORMATION:
; APPLICANT: Thomas, Winston J.
; APPLICANT: Drayna, Dennis T.
; APPLICANT: Feder, John N.
; APPLICANT: Gnirke, Andreas
; APPLICANT: Ruddy, David
; APPLICANT: Tsuchihasi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: HEREDITARY HEMOCHROMATOSIS GENE PRODUCTS
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,497A
; FILING DATE: 04-APR-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/652,265
; FILING DATE: 23-MAY-1996
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Db 304 PTPIVGIAGLVFGAVITGAVAAVMWRKSSDRKGSYSQAASSDSAQGSDVSLTAC 363

Qy 361 KV 362

Db 364 KV 365

RESULT 7

US-09-503-444A-23
Sequence 23, Application US/09503444A
Patent No. 6228594

GENERAL INFORMATION:

APPLICANT: Thomas, Winston J.
APPLICANT: Drayna, Dennis T.
APPLICANT: Feder, John N.
APPLICANT: Gnirke, Andreas
APPLICANT: Ruddy, David
APPLICANT: Teuchihaashi, Zenta
APPLICANT: Wolff, Roger K.

TITLE OF INVENTION: Hereditary Hemochromatosis Gene

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect Version 8
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/503,444A

FILING DATE: 14-Feb-2000

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/652,265

FILING DATE: 23-May-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/632,673

FILING DATE: 16-Apr-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/630,912

FILING DATE: 04-Apr-1996

ATTORNEY/AGENT INFORMATION:

NAME: Poissant, Brian M.

REGISTRATION NUMBER: 28,462

REFERENCE/DOCKET NUMBER: 8907-0088-999

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090

TELEFAX: 212-869-9741

TELEX: 66141

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 365 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:

NAME/KEY: Protein

LOCATION: 1..365

OTHER INFORMATION: /note= "Human Major Histocompatibility

OTHER INFORMATION: Class I (MHC) protein"

US-09-503-444A-23

Query Match

Best Local Similarity 77.9%; Score 1497; DB 2; Length 365;

Matches 282; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

Qy

1 MAPRSLLLLSGALALTWTAGSHSLRYFSTAVSRPGRGPRYIAVEYVDDTQFLRFDSD 60

Db 4 MAPRSLLLLSGALALTWTAGSHSLRYFSTAVSRPGRGPRYIAVEYVDDTQFLRFDSD 63

Qy 61 AAIPEWEPREPWVEQSGPYWETTTGYAKANAQTDRVALRNLRLRRYNSQSEAGSHTLQGN 120

Db 64 AASQWEPREPWVEQSGPYWETTTGYAKANAQTDRVALRNLRLRRYNSQSEAGSHTLQGN 123

Qy 121 GCDMGPDGRLRGYHQHAYDGRDYISLNEDELSRSTAAADTVAQITQRFYEABEYAEFRY 180

Db 124 GCDVGDWRFLRGYHQYAYDGRDYIALKEDLSRSTAAADTVAQITQRFYEABEYAEFRY 183

Qy 181 LECECLELRLRYLENGLETQADPPKAVHHPISDHEATLRCWALGFYPAEITLTWQR 240

Db 184 LEGTCVEWLRLRYLENGLETQADPPKAVHHPISDHEATLRCWALGFYPAEITLTWQR 243

Qy 241 DGEETQDTLTVETRPAGDGTQKWAADVVPSSGQRVYCHVQHEGLPQLTLRWEQSPQ 300

Db 244 DGEETQDTLTVETRPAGDGTQKWAADVVPSSGQRVYCHVQHEGLPQLTLRWEQSPQ 303

Qy 301 PTPIVGIAGLVFGAVITGAVAAVMWRKSSDRKGSYSQAASSDSAQGSDVSLTAN 360

Db 304 PTPIVGIAGLVFGAVITGAVAAVMWRKSSDRKGSYSQAASSDSAQGSDVSLTAN 363

Qy 361 KV 362

Db 364 KV 365

RESULT 8

US-08-484-905-99

Sequence 99, Application US/08484905

Patent No. 5976551

GENERAL INFORMATION:

APPLICANT: Mottez, Estelle

APPLICANT: Abastado, Jean-Pierre

APPLICANT: Kourilsky, Philippe

TITLE OF INVENTION: An Altered Major Histocompatibility

TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the

NUMBER OF SEQUENCES: 127

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

ADDRESSEE: Dunner

STREET: 1300 I Street, N.W., Suite 700

CITY: Washington

STATE: D.C.

ZIP: 20005-3315

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS-/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,905

FILING DATE: 07-JUNE-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/801,818

FILING DATE: 05-DEC-1991

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/792,473

FILING DATE: 15-NOV-1991

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Potter, Jane E. R.

REGISTRATION NUMBER: 33,332

REFERENCE/DOCKET NUMBER: 03495.0106-03000

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-408-4000

TELEFAX: 202-408-4400

INFORMATION FOR SEQ ID NO: 99:

SEQUENCE CHARACTERISTICS:

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; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-99

Query Match          77.7%; Score 1494; DB 1; Length 365;
Best Local Similarity 77.3%; Pred. No. 2e-139;
Matches 280; Conservative 30; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPSLLLLSGALALTDTWAGSHLSRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFDS 60
Db 4 MAPRTLVLSSGALALTDTWAGSHSMRYFFTSVSRPGRGEPRIYAVGVDDTQFVRFDS 63

Qy 61 AAIPRMEPREPWQEGPOYWEWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLOGMN 120
Db 64 AASQRMPEAPRWIOEGPEYWDGTRKVKAHQTHRVLDLTLRGYNOSEAGSHTVQRM 123

Qy 121 GCDMPDGLRLRGYHAYDGGKVIISLNEDLSRWTAADTVAQITQRFYEAEEYFET 180
Db 124 GCDVSGDGRFLRGYHAYDGGKVIYALKEDLSRWTAADMAAQTTHKWEAHEAQW 183

Qy 181 LEGECLELLRRLYENGLTLQADPPKAVVAHHPISDHEATLRCWALGFYPAEITLT 240
Db 184 LEGTCVEWLRRLYENGLTKLTQADPKTHMTHAVSDHEATLRCWALSFYPAEITLT 243

Qy 241 DGEQTQDTLVELTRPAGDGTFOKAAVVPVSGEQRVYTCVQHEGLPQPLILRWEQSP 300
Db 244 DGEDQTDTELVELTRPAGDGTFOKAAVVPVSGEQRVYTCVQHEGLPKPLTLPEPSS 303

Qy 301 PTIPVIGIAGLVGLVAVVTGAVVAAMVRKSSDRNRGSYSQAATVDSAGSGVSLTAN 360
Db 304 PTIPVIGIAGLVGLFVAVTGAIVAAVMWRKSSDRKGSYSQAASSDSAGSDVSLTAC 363

Qy 361 KV 362
Db 364 KV 365

RESULT 9
US-08-484-905-104
; Sequence 104, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473

```

```

; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-104

Query Match          77.7%; Score 1494; DB 1; Length 365;
Best Local Similarity 77.3%; Pred. No. 2e-139;
Matches 280; Conservative 29; Mismatches 53; Indels 0; Gaps 0;

Qy 1 MAPSLLLLSGALALTDTWAGSHLSRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFDS 60
Db 4 MAPRTLVLSSGALALTDTWAGSHSMRYFFTSVSRPGRGEPRIYAVGVDDTQFVRFDS 63

Qy 61 AAIPRMEPREPWQEGPOYWEWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLOGMN 120
Db 64 AASQRMPEAPRWIOEGPEYWDGTRKVKAHQTHRVLDLTLRGYNOSEAGSHTLOM 123

Qy 121 GCDMPDGLRLRGYHAYDGGKVIISLNEDLSRWTAADTVAQITQRFYEAEEYFET 180
Db 124 GCDVSGDGRFLRGYHAYDGGKVIYALKEDLSRWTAADMAAQTTHKWEAHEAQW 183

Qy 181 LEGECLELLRRLYENGLTLQADPPKAVVAHHPISDHEATLRCWALGFYPAEITLT 240
Db 184 LEGTCVEWLRRLYENGLTKLTQADPKTHMTHAVSDHEATLRCWALSFYPAEITLT 243

Qy 241 DGEQTQDTLVELTRPAGDGTFOKAAVVPVSGEQRVYTCVQHEGLPQPLILRWEQSP 300
Db 244 DGEDQTDTELVELTRPAGDGTFOKAAVVPVSGEQRVYTCVQHEGLPKPLTLPEPSS 303

Qy 301 PTIPVIGIAGLVGLVAVVTGAVVAAMVRKSSDRNRGSYSQAATVDSAGSGVSLTAN 360
Db 304 PTIPVIGIAGLVGLFVAVTGAIVAAVMWRKSSDRKGSYSQAASSDSAGSDVSLTAC 363

Qy 361 KV 362
Db 364 KV 365

RESULT 10
US-08-481-985B-99
; Sequence 99, Application US/08481985B
; Patent No. 6011146
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,985B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 99:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-481-985B-99

```

```

Query Match 77.7%; Score 1494; DB 2; Length 365;
Best Local Similarity 77.3%; Pred. No. 2e-139;
Matches 280; Conservative 30; Mismatches 52; Indels 0; Gaps 0;

QY 1 MAPRSLLLSGALALDTWAGSHSLRYFSTAVSRPGRGPRIYAVYVDDTQFURPDS 60
DB 4 MAPRTLVLSSGALALDTWAGSHSLRYFSTAVSRPGRGPRIYAVYVDDTQFURPDS 63
QY 61 AAPRMEPREPVEQEGPYWETTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGN 120
DB 64 AASQMEPRAPWIEQEGPYWDFNTRNVKAQSDRLVLDLSTLRGYNOSEAGSHTVQRM 123
QY 121 GCDMPGDLRLRGYHQYADGKDYISLNEDLSWTAADTVAQITQRFYEAEBEYAEPR 180
DB 124 GCDVSGDGRPLRGYQYADGKDYIALKEDLSWTAADMAAQTTHKWEAAHVAEQW 183
QY 181 LEGECLELLRRLRYENGLTQADPPKAVHPIHSDHEATLRCWALGFYPAEITLTW 240
DB 184 LEGTCVWLRLRYENGLKETTQADPKTHMTHAVSDHEATLRCWALGFYPAEITLT 243
QY 241 DGEQTQDTLVELTRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWE 300
DB 244 DGEDTQDTLVELTRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWE 303
QY 301 PTPIVIGIAGLVGLGAVVITGAVVAAMVRKSSDRNRGYSQAAVTDSAGSGVSL 360
DB 304 PTPIVIGIAGLVGLGAVVITGAVVAAMVRKSSDRNRGYSQAAVTDSAGSGVSL 363
QY 361 KV 362
DB 364 KV 365

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RESULT 11
US-08-481-985B-104
; Sequence 104, Application US/08481985B
; Patent No. 6011146
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

```

```

; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,985B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-481-985B-104

```

```

Query Match 77.7%; Score 1494; DB 2; Length 365;
Best Local Similarity 77.3%; Pred. No. 2e-139;
Matches 280; Conservative 29; Mismatches 53; Indels 0; Gaps 0;

QY 1 MAPRSLLLSGALALDTWAGSHSLRYFSTAVSRPGRGPRIYAVYVDDTQFURPDS 60
DB 4 MAPRTLVLSSGALALDTWAGSHSLRYFSTAVSRPGRGPRIYAVYVDDTQFURPDS 63
QY 61 AAPRMEPREPVEQEGPYWETTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGN 120
DB 64 AASQMEPRAPWIEQEGPYWDFNTRNVKAQSDRLVLDLSTLRGYNOSEAGSHTIQMY 123
QY 121 GCDMPGDLRLRGYHQYADGKDYISLNEDLSWTAADTVAQITQRFYEAEBEYAEPR 180
DB 124 GCDVSGDGRPLRGYQYADGKDYIALKEDLSWTAADMAAQTTHKWEAAHVAEQW 183
QY 181 LEGECLELLRRLRYENGLTQADPPKAVHPIHSDHEATLRCWALGFYPAEITLTW 240
DB 184 LEGTCVWLRLRYENGLKETTQADPKTHMTHAVSDHEATLRCWALGFYPAEITLT 243
QY 241 DGEQTQDTLVELTRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWE 300
DB 244 DGEDTQDTLVELTRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWE 303
QY 301 PTPIVIGIAGLVGLGAVVITGAVVAAMVRKSSDRNRGYSQAAVTDSAGSGVSL 360
DB 304 PTPIVIGIAGLVGLGAVVITGAVVAAMVRKSSDRNRGYSQAAVTDSAGSGVSL 363
QY 361 KV 362
DB 364 KV 365

```

```

RESULT 12
US-08-370-476-99
; Sequence 99, Application US/08370476

```

```
; Patent No. 6153408
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; APPLICANT: Lone, Yu-Chun
; APPLICANT: Ojcius, David
; APPLICANT: Casrouge, Armanda
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,476
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/117,575
; FILING DATE: 07-SEP-1993
; APPLICATION NUMBER: US 08/072,787
; FILING DATE: 06-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05243.0001-01000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 99:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-370-476-99

Query Match 77.7%; Score 1494; DB 2; Length 365;
Best Local Similarity 77.3%; Pred. No. 2e-139;
Matches 280; Conservative 30; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRILLLSGALATDTTWAGSHSIRYESTAVSRGRGEPRYIAVEYVDDTQFLRFSD 60
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 4 MAPRTLVLLSGALATQTWAGSHSMRYFTSVSRGRGEPRFIAGVYDDTQFVRFS 63
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 61 RAIPMEPREPVEQEGPOYEWTTGYAKANAQTDTRVALNRLRRYNQSEAGSHTLOGMN 120
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 64 RAASQRMPEAPWIEQEGPEYWDGTRKVKAKHSQTHRVLDLSTLRGYNQSEAGSHTVQRM 123
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 121 GCDMGPDGRLRGYHQHVDGKDYISLNEDLSWTAADTVAQITQRFYAEAYAEPRTY 180
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 124 GCDVSGDGRFLRGYHQYVDGKDYIALKEDLSWTAADMAAQTTHKWEATAEAEQW 183
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 181 LEQECLELLRRYLENGLETQRADPPKAVAHHPISDHEATLRCWALGFYPAEITLTW 240
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 184 LGTCVEMURRYLENGKETLQTDAPKTHWTHAVSDHEATLRCWALSFYPAEITLTW 243
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

241 DGBEQTDTELVTETRPAGDGTFOKAAAVVVPSEGEQRYTCHVQHEGLPOPLILRWESPO 300
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
244 DGEDQTDTELVTETRPAGDGTFOKAAAVVVPSEGEQRYTCHVQHEGLPKPLTLPEPSSQ 303
Qy 301 PTPIVGIVAGLVGLGAVVTGAVVAAYMWRKSSDRNRGVSVOAAVTDSDAQSGVSLTAN 360
Db |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 361 KV 362
Db |||
364 KV 365

RESULT 13
US-08-370-476-104
; Sequence 104, Application US/08370476
; Patent No. 6153408
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; APPLICANT: Lone, Yu-Chun
; APPLICANT: Ojcius, David
; APPLICANT: Casrouge, Armanda
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,476
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/117,575
; FILING DATE: 07-SEP-1993
; APPLICATION NUMBER: US 08/072,787
; FILING DATE: 06-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05243.0001-01000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-370-476-104

Query Match 77.7%; Score 1494; DB 2; Length 365;
Best Local Similarity 77.3%; Pred. No. 2e-139;
Matches 280; Conservative 29; Mismatches 53; Indels 0; Gaps 0;
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QY 1 MAPRSLLLLSGALALDTWAGSHSLRYPSTAVSRPGRGEPRIYAVYVDDTQFLRFDSD 60
DB 4 MAPRTVLVLLSGALALTQTWAGSHSMRYFTSVSRPGRGEPRIYAVYVDDTQFLRFDSD 63
QY 61 AAPRMEPREPVEQSGPOYEWTTGKAKANAQTDVALRNLRLRYNQSAGSHTLQGNV 120
DB 64 AASQRMPEPAPWIEQSGPEYWDGTRKYKAHSQTHRVLDLTLRGYNNQSEAGSHTVORMY 123
QY 121 GCDMGPDGLRLRGYHAYDGDYISLNEDLSRSTAAADTVAQITQRFYEABEYAEFFRTY 180
DB 124 GCDVSGDWRFLRGYHAYDGDYIALKEDLSRSTAAADTVAAQTTKHKEAAHVAEQRAY 183
QY 181 LEGECLELLRLRYLENGLETQADPPKAHVAHPISDHEATLRCWALGYPAEITLTWQR 240
DB 184 LEGTCVWLRRLRYLENGKETLQRTDAPKTHMTHAVSDHEATLRCWALSFPYPAEITLTWQR 243
QY 241 DGEBOQTDELVELVETRPAGDGTFOKAAVVPVSGEQRVYCHVQHEGLPQPLTLRWEQSPQ 300
DB 244 DGEBOQTDELVELVETRPAGDGTFOKAAVVPVSGEQRVYCHVQHEGLPQPLTLRWEQSPQ 303
QY 301 PTPIVIGVAGLVGLVAVVTGAVVAAMVRKSSDRNRGYSQAQVTSQAQSGVSLTAN 360
DB 304 PTPIVIGIAGLVGLFAGVITGAVVAAMVRKSSDRKGGYSQAQSSDSQAQSDVSLTAC 363
QY 361 KV 362
DB 364 KV 365

RESULT 14

US-08-484-905-97
; Sequence 97, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 97:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-484-905-97

Query Match 77.5%; Score 1490; DB 1; Length 365;
Best Local Similarity 77.3%; Pred. No. 5,1e-139;
Matches 280; Conservative 29; Mismatches 53; Indels 0; Gaps 0;

QY 1 MAPRSLLLLSGALALDTWAGSHSLRYPSTAVSRPGRGEPRIYAVYVDDTQFLRFDSD 60
DB 4 MAPRTVLVLLSGALALTQTWAGSHSMRYFTSVSRPGRGEPRIYAVYVDDTQFLRFDSD 63
QY 61 AAPRMEPREPVEQSGPOYEWTTGKAKANAQTDVALRNLRLRYNQSAGSHTLQGNV 120
DB 64 AASQRMPEPAPWIEQSGPEYWDGTRKYKAHSQTHRVLDLTLRGYNNQSEAGSHTVORMY 123
QY 121 GCDMGPDGLRLRGYHAYDGDYISLNEDLSRSTAAADTVAQITQRFYEABEYAEFFRTY 180
DB 124 GCDVSGDWRFLRGYHAYDGDYIALKEDLSRSTAAADTVAAQTTKHKEAAHVAEQRAY 183
QY 181 LEGECLELLRLRYLENGLETQADPPKAHVAHPISDHEATLRCWALGYPAEITLTWQR 240
DB 184 LEGTCVWLRRLRYLENGKETLQRTDAPKTHMTHAVSDHEATLRCWALSFPYPAEITLTWQR 243
QY 241 DGEBOQTDELVELVETRPAGDGTFOKAAVVPVSGEQRVYCHVQHEGLPQPLTLRWEQSPQ 300
DB 244 DGEBOQTDELVELVETRPAGDGTFOKAAVVPVSGEQRVYCHVQHEGLPQPLTLRWEQSPQ 303
QY 301 PTPIVIGVAGLVGLVAVVTGAVVAAMVRKSSDRNRGYSQAQVTSQAQSGVSLTAN 360
DB 304 PTPIVIGIAGLVGLFAGVITGAVVAAMVRKSSDRKGGYSQAQSSDSQAQSDVSLTAC 363
QY 361 KV 362
DB 364 KV 365

RESULT 15

US-08-484-905-98
; Sequence 98, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:

Search completed: April 7, 2006, 12:41:56
Job time : 36.7321 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 7, 2006, 12:59:38 ; Search time 121.234 Seconds
(without alignments)
1247.624 Million cell updates/sec

Title: US-09-819-371-4
Perfect score: 1922
Sequence: 1 MAPRSLLLSGALALTDW.....QAAVTDQAQSGVSLTANKV 362

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:*
1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep:*
4: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep:*
5: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep:*
6: /cgn2_6/prodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1922	100.0	362	3	US-09-819-371-4
2	1916	99.7	362	4	US-10-257-021-82
3	1916	99.7	362	5	US-10-631-467-624
4	1838	95.6	442	4	US-10-408-765A-1887
5	1775	92.4	677	5	US-10-450-763-57085
6	1539	80.1	365	5	US-10-741-600-941
7	1518	79.0	365	5	US-10-287-436A-179
8	1518	79.0	365	5	US-10-287-436A-1268
9	1509	78.5	365	4	US-10-741-601-325
10	1509	78.5	365	4	US-10-741-601-326
11	1509	78.5	365	5	US-10-741-600-939
12	1509	78.5	365	5	US-10-741-600-940
13	1508	78.5	362	5	US-10-631-467-728
14	1497	77.9	365	4	US-10-138-888-23
15	1496.5	77.9	379	4	US-10-093-463-78
16	1496.5	77.9	379	4	US-10-210-172-160
17	1489	77.5	274	3	US-09-819-371-5
18	1474	76.7	362	5	US-10-287-436A-120
19	1474	76.7	362	5	US-10-287-436A-1260
20	1469	76.4	365	5	US-10-128-558-136
21	1459.5	75.9	366	5	US-10-287-436A-101
22	1459.5	75.9	366	5	US-10-287-436A-162
23	1459.5	75.9	366	5	US-10-287-436A-1257
24	1459.5	75.9	366	5	US-10-287-436A-1267
25	1424	74.1	338	4	US-10-741-601-380
26	1424	74.1	338	4	US-10-741-601-388
27	1424	74.1	338	5	US-10-741-600-1134

28	1424	74.1	338	5	US-10-741-600-1138	Sequence 1138, Ap
29	1424	74.1	338	5	US-10-482-029-110	Sequence 110, App
30	1424	74.1	343	4	US-10-741-601-379	Sequence 379, App
31	1424	74.1	343	5	US-10-741-600-1139	Sequence 1139, Ap
32	1406	73.2	271	3	US-09-925-301-1431	Sequence 1431, Ap
33	1406	73.2	364	4	US-10-093-463-80	Sequence 80, App1
34	1376.5	71.6	371	4	US-10-085-198-72	Sequence 72, App1
35	1376.5	71.6	371	4	US-10-210-172-156	Sequence 156, App
36	1363	70.9	421	4	US-10-138-588-32	Sequence 32, App1
37	1363	70.9	421	4	US-10-210-172-174	Sequence 174, App
38	1302.5	67.8	389	4	US-10-085-198-70	Sequence 70, App1
39	1297.5	67.5	452	4	US-10-085-198-68	Sequence 68, App1
40	1297.5	67.5	452	4	US-10-210-172-152	Sequence 152, App
41	1285	66.9	476	5	US-10-430-984-16	Sequence 16, App1
42	1285	66.9	500	5	US-10-430-984-15	Sequence 15, App1
43	1282	66.7	372	5	US-10-450-255-3	Sequence 3, App1
44	1264.5	65.8	361	4	US-10-138-888-22	Sequence 22, App1
45	1189	61.9	326	4	US-10-380-880-7	Sequence 7, App1

ALIGNMENTS

RESULT 1

US-09-819-371-4
; Sequence 4, Application US/09819371
; Publication No. US20040053344A1
; GENERAL INFORMATION:
; APPLICANT: Egawa, Kohji
; TITLE OF INVENTION: Cancer Cell-Specific HLA-F Antigen and a Diagnostic Method of Ca
; FILE OF INVENTION: Using Thereof
; FILE REFERENCE: 30815
; CURRENT APPLICATION NUMBER: US/09/819,371
; CURRENT FILING DATE: 2002-03-15
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 4
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-819-371-4

Query Match 100.0%; Score 1922; DB 3; Length 362;
Best Local Similarity 100.0%; Pred. No. 2.3e-171;
Matches 362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB	1	MAPRSLLLSGALALTDWAGSHSLRYFSTAVSRPGRGEPRYIAVEYDDTQFLRFDSD	60
QY	61	AAIPRMEPRPWEQEGPQYWEWTTGYAKANAQTDVALRNLRLRYNOSAGSHTLQGNV	120
DB	61	AAIPRMEPRPWEQEGPQYWEWTTGYAKANAQTDVALRNLRLRYNOSAGSHTLQGNV	120
QY	121	GCDMPDGRLLRGYHQHAYDGYISLNEDLSRWTAADTVAQITQFYEAEEFYAEFRY	180
DB	121	GCDMPDGRLLRGYHQHAYDGYISLNEDLSRWTAADTVAQITQFYEAEEFYAEFRY	180
QY	181	LEGECELLRLRYLENGLETIORADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQR	240
DB	181	LEGECELLRLRYLENGLETIORADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQR	240
QY	241	DGEETQDTLVEPTRPADGTFQKAAVVPVSGEQRVTCHVQHEGLPQPLTLRWEQSPQ	300
DB	241	DGEETQDTLVEPTRPADGTFQKAAVVPVSGEQRVTCHVQHEGLPQPLTLRWEQSPQ	300
QY	301	FTPIPIVIGIVAGLVGLGAVVTGAVVAAMVRKKSDDNRNGSYSSQAATVTDQAQSGVSLTAN	360
DB	301	FTPIPIVIGIVAGLVGLGAVVTGAVVAAMVRKKSDDNRNGSYSSQAATVTDQAQSGVSLTAN	360
QY	361	KV 362	
DB	361	KV 362	

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RESULT 2
US-10-257-021-82
; Sequence 82, Application US/10257021
; Publication No. US20030211498A1
; GENERAL INFORMATION:
; APPLICANT: Morin, Patrice J.
; APPLICANT: Sherman-Baust, Cheryl A.
; APPLICANT: Pizer, Ellen S.
; APPLICANT: Hough, Colleen D.
; TITLE OF INVENTION: TUMOR MARKERS IN OVARIAN CANCER
; FILE REFERENCE: 14014.036902
; CURRENT APPLICATION NUMBER: US/10/257,021
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: PCT/US01/10947
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/194,336
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-257-021-82

Query Match      99.7%; Score 1916; DB 4; Length 362;
Best Local Similarity 99.7%; Pred. No. 8.3e-171;
Matches 361; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFSD 60
DB 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFSD 60
QY 61 AAIPRMEPREPWVEQEGPQYEWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGMN 120
DB 61 AAIPRMEPREPWVEQEGPQYEWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGMN 120
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DB 121 GCDMPDGLLRGYHQAIDYDGDYISLNEDLSWTAADTVAQITQRFYEAEEYAEFRY 180
QY 181 LECECLELLRRYLENGLETQADPPKARVAHPISDHEATLRCWALGFYPAEITLTWQR 240
DB 181 LECECLELLRRYLENGLETQADPPKARVAHPISDHEATLRCWALGFYPAEITLTWQR 240
QY 241 DGEETQDTVELVETRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWEQSPQ 300
DB 241 DGEETQDTVELVETRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWEQSPQ 300
QY 301 PTPIVGIVAGLVLTGAVVTGAVVAAMVRKSSDRNRGSYSQAAVTDASQSGVSLTAN 360
DB 301 PTPIVGIVAGLVLTGAVVTGAVVAAMVRKSSDRNRGSYSQAAVTDASQSGVSLTAN 360
QY 361 KV 362
DB 361 KV 362

RESULT 3
US-10-631-467-624
; Sequence 624, Application US/10631467
; Publication No. US20050208496A1
; GENERAL INFORMATION:
; APPLICANT: Genox Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive p
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631,467
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
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; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 624
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-631-467-624

Query Match      99.7%; Score 1916; DB 5; Length 362;
Best Local Similarity 99.7%; Pred. No. 8.3e-171;
Matches 361; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFSD 60
DB 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFSD 60
QY 61 AAIPRMEPREPWVEQEGPQYEWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGMN 120
DB 61 AAIPRMEPREPWVEQEGPQYEWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGMN 120
QY 121 GCDMPDGLLRGYHQAIDYDGDYISLNEDLSWTAADTVAQITQRFYEAEEYAEFRY 180
DB 121 GCDMPDGLLRGYHQAIDYDGDYISLNEDLSWTAADTVAQITQRFYEAEEYAEFRY 180
QY 181 LECECLELLRRYLENGLETQADPPKARVAHPISDHEATLRCWALGFYPAEITLTWQR 240
DB 181 LECECLELLRRYLENGLETQADPPKARVAHPISDHEATLRCWALGFYPAEITLTWQR 240
QY 241 DGEETQDTVELVETRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWEQSPQ 300
DB 241 DGEETQDTVELVETRPAGDGTFOKAAVVPVSGEQRVTCHVQHEGLPQPLILRWEQSPQ 300
QY 301 PTPIVGIVAGLVLTGAVVTGAVVAAMVRKSSDRNRGSYSQAAVTDASQSGVSLTAN 360
DB 301 PTPIVGIVAGLVLTGAVVTGAVVAAMVRKSSDRNRGSYSQAAVTDASQSGVSLTAN 360
QY 361 KV 362
DB 361 KV 362
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RESULT 4
US-10-408-765A-1887
; Sequence 1887, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Faby, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1887
; LENGTH: 442
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1887
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Query Match      95.6%; Score 1838; DB 4; Length 442;
Best Local Similarity 98.0%; Pred. No. 2.3e-163;
Matches 345; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFSD 60
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Db 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYIAVEYVDDTQFLRFDSD 60
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Db 61 AAI PRMEPWPVEQGPQYWEWTTGYAKANAQTDVALNLLRRYNQSEAGSHTLQGMN 120
QY 121 GCDMGPDGRLRLRGYHQHAYDGKDYISLNEDLSRWSAADTVAQITQRFYAEAYAEFRY 180
Db 121 GCDMGPDGRLRLRGYHQHAYDGKDYISLNEDLSRWSAADTVAQITQRFYAEAYAEFRY 180
QY 181 LEGECLELLRRYLENGLETLORADPPKAHVAHPISDHEATLRCWALGFYPABITLTWQR 240
Db 181 LEGECLELLRRYLENGLETLORADPPKAHVAHPISDHEATLRCWALGFYPABITLTWQR 240
QY 241 DGEEOQTQDELVELVETRPAGDGTFOKWAADVVPVSGEQRVYCHVQHEGLPOPLILRWEQSPQ 300
Db 241 DGEEOQTQDELVELVETRPAGDGTFOKWAADVVPVSGEQRVYCHVQHEGLPOPLILRWEQSPQ 300
QY 301 PTPIVIGIVAGLVVLGAVVTGAVVAAMVRKSSDRNRGSYSQAAVTDSAQ 352
Db 301 PTPIVIGIVAGLVVLGAVVTGAVVAAMVRKSSDRNRGSYSQAAYSVVG 352

RESULT 5
US-10-450-763-57085
; Sequence 57085, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 57085
; LENGTH: 677
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (587)..(605)
; OTHER INFORMATION: Immunoglobulins and major histocompatibility complex proteins
; OTHER INFORMATION: domain identified by eMATRIX, accession number BL00290B, p-value=
; OTHER INFORMATION: 7.750e-19, raw score of 13.17
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (331)..(509)
; OTHER INFORMATION: Class I Histocompatibility antigen, domains domain identified
; OTHER INFORMATION: by Pfam, accession name MHC_I, E-value=5.8e-132, Pfam score of
; OTHER INFORMATION: 451.8
US-10-450-763-57085
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Query Match 92.4%; Score 1775; DB 5; Length 677;
Best Local Similarity 99.4%; Pred. No. 3.4e-157;
Matches 332; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYIAVEYVDDTQFLRFDSD 60
Db 310 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYIAVEYVDDTQFLRFDSD 369
QY 61 AAI PRMEPWPVEQGPQYWEWTTGYAKANAQTDVALNLLRRYNQSEAGSHTLQGMN 120
Db 370 AAI PRMEPWPVEQGPQYWEWTTGYAKANAQTDVALNLLRRYNQSEAGSHTLQGMN 429
QY 121 GCDMGPDGRLRLRGYHQHAYDGKDYISLNEDLSRWSAADTVAQITQRFYAEAYAEFRY 180
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Db 430 GCDMGPDGRLRLRGYHQHAYDGKDYISLNEDLSRWSAADTVAQITQRFYAEAYAEFRY 489
QY 181 LEGECLELLRRYLENGLETLORADPPKAHVAHPISDHEATLRCWALGFYPABITLTWQR 240
Db 490 LEGECLELLRRYLENGLETLORADPPKAHVAHPISDHEATLRCWALGFYPABITLTWQR 549
QY 241 DGEEOQTQDELVELVETRPAGDGTFOKWAADVVPVSGEQRVYCHVQHEGLPOPLILRWEQSPQ 300
Db 550 DGEEOQTQDELVELVETRPAGDGTFOKWAADVVPVSGEQRVYCHVQHEGLPOPLILRWEQSPQ 609
QY 301 PTPIVIGIVAGLVVLGAVVTGAVVAAMVRKSS 334
Db 610 PTPIVIGIVAGLVVLGAVVTGAVVAAMVRKSS 643

RESULT 6
US-10-741-600-941
; Sequence 941, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 941
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-941

Query Match 80.1%; Score 1539; DB 5; Length 365;
Best Local Similarity 80.1%; Pred. No. 2e-135;
Matches 290; Conservative 26; Mismatches 46; Indels 0; Gaps 0;

QY 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYIAVEYVDDTQFLRFDSD 60
Db 4 MAPRTLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYIAVEYVDDTQFLRFDSD 63
QY 61 AAI PRMEPWPVEQGPQYWEWTTGYAKANAQTDVALNLLRRYNQSEAGSHTLQGMN 120
Db 64 AAI PRMEPWPVEQGPQYWEWTTGYAKANAQTDVALNLLRRYNQSEAGSHTLQGMN 123
QY 121 GCDMGPDGRLRLRGYHQHAYDGKDYISLNEDLSRWSAADTVAQITQRFYAEAYAEFRY 180
Db 124 GCDVSGDGRFLRGYRQADYDGKDYIALNEDLSRWSAADTVAQITQRFYAEAYAEFRY 183
QY 181 LEGECLELLRRYLENGLETLORADPPKAHVAHPISDHEATLRCWALGFYPABITLTWQR 240
Db 184 LDGTCVWLRRLRYLENGLETLORADPPKAHVAHPISDHEATLRCWALGFYPABITLTWQR 243
QY 241 DGEEOQTQDELVELVETRPAGDGTFOKWAADVVPVSGEQRVYCHVQHEGLPOPLILRWEQSPQ 300
Db 244 DGEEOQTQDELVELVETRPAGDGTFOKWAADVVPVSGEQRVYCHVQHEGLPOPLILRWEQSPQ 303
QY 301 PTPIVIGIVAGLVVLGAVVTGAVVAAMVRKSSDRNRGSYSQAAYTDSAGSVSLTAN 360
Db 304 PTPIVIGIAGLVVLGAVVTGAVVAAMVRKSSDRNRGSYSQAAYTDSAGSVSLTAC 363
QY 361 KV 362
Db 364 KV 365

RESULT 7
US-10-287-436A-179
; Sequence 179, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
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; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-179

Query Match 79.0%; Score 1518; DB 5; Length 365;
Best Local Similarity 78.2%; Pred. No. 1.9e-133;
Matches 283; Conservative 31; Mismatches 48; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFPSD 60
Db 4 MAPRTVLVLLSGALALTDTWAGSHSMRYFYTSVSRPGRGEPRIYAVGYVDDTQFVRFPD 63

Qy 61 AAIPRMEPREPWVEQEGPOYWEWTTGYAKANAQTDRLVALRNLRLRYNOSEAGSHTLQGMN 120
Db 64 AASQRMPEPRAPWIEQEGPEYWDNRNTRNVKAHSQTDRESLRALRYNOSEAGSHTIQRM 123

Qy 121 GCDMPGDRLLRGYHQHAYDGKDYISLNEDLRSWTAADTVQAQITQRFYEABEYAEFFTY 180
Db 124 GCDVGPDRFLRGYQQDAYDGKDYIALNEDLRSWTAADMAAQITQKWKETAHEAQWRA 183

Qy 181 LEGECLELLRRLRYLENGLETQADPPKAHVAAHPIISDHEATLRCWALGFYPAEITLTW 240
Db 184 LEGRCVWLRLRYLENGKETLQRTDAPKTHMTHAVSDHEATLRCWALSFYPAEITLTW 243

Qy 241 DGEQOTDELVEITRPAGDGTFOKWAAVVVPSEGEQRYTCHVQHEGLPQPLILRWEQSPQ 300
Db 244 DGEDQOTDELVEITRPAGDGTFOKWASVVVPSEGEQRYTCHVQHEGLPKPLTLRWEPSQ 303

Qy 301 PTIPIVGIVAGLVVLGAVVTGAVVAAMVRKKSDDNRGYSQAQAVTDSAGSGVSLTAN 360
Db 304 PTIPIVGIAGLVLFAGIAGVAVVAAMVRKKSDDNRGYSQAASDSDSAGSDMSLTAC 363

Qy 361 KV 362
Db 364 KV 365

RESULT 9
US-10-741-601-325
; Sequence 325, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 325
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-325

Query Match 78.5%; Score 1509; DB 4; Length 365;
Best Local Similarity 78.5%; Pred. No. 1.3e-132;
Matches 284; Conservative 26; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFPSD 60
Db 4 MAPRTVLVLLSGALALTDTWAGSHSMRYFYTSVSRPGRGEPRIYAVGYVDDTQFVRFPD 63

Qy 61 AAIPRMEPREPWVEQEGPOYWEWTTGYAKANAQTDRLVALRNLRLRYNOSEAGSHTLQGMN 120
Db 64 AASQRMPEPRAPWIEQEGPEYWDNRNTRNVKAHSQTDRESLRALRYNOSEAGSHTIQM 123

Qy 121 GCDMPGDRLLRGYHQHAYDGKDYISLNEDLRSWTAADTVQAQITQRFYEABEYAEFFTY 180
Db 124 GCDVGPDRFLRGYQQDAYDGKDYIALNEDLRSWTAADMAAQITQKWKETAHEAQWRA 183

Qy 181 LEGECLELLRRLRYLENGLETQADPPKAHVAAHPIISDHEATLRCWALGFYPAEITLTW 240
Db 184 LEGRCVWLRLRYLENGKETLQRTDAPKTHMTHAVSDHEATLRCWALSFYPAEITLTW 243

Qy 241 DGEQOTDELVEITRPAGDGTFOKWAAVVVPSEGEQRYTCHVQHEGLPQPLILRWEQSPQ 300
Db 244 DGEDQOTDELVEITRPAGDGTFOKWASVVVPSEGEQRYTCHVQHEGLPKPLTLRWEPSQ 303

Qy 301 PTIPIVGIVAGLVVLGAVVTGAVVAAMVRKKSDDNRGYSQAQAVTDSAGSGVSLTAN 360
Db 304 PTIPIVGIAGLVLFAGIAGVAVVAAMVRKKSDDNRGYSQAASDSDSAGSDMSLTAC 363

Qy 361 KV 362
Db 364 KV 365

US-10-287-436A-1268
; Sequence 1268, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1268
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-436A-1268

Query Match 79.0%; Score 1518; DB 5; Length 365;
Best Local Similarity 78.2%; Pred. No. 1.9e-133;
Matches 283; Conservative 31; Mismatches 48; Indels 0; Gaps 0;
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Db 124 GCDVSGDRFLRGYKQDQYDGDYIALNEDLRSWTAADMAAQITQKWEAAVAEQLRAY 183
Qy 181 LEGECLELLRYLENGLETLQADPPKARVAHHPLSDHEATLRCWALGFYPAEITLTWQR 240
Db 184 LEGICVEWRLRYLENGKETLQTDAPKTHMTHAVSDHEATLRCWALGFYPAEITLTWQR 243
Qy 241 DGEQQTQDTELVEVPAGDGTQKAAVVVPSGEEQRYTCHVQHEGLPQPLILRWESQPQ 300
Db 244 DGEDQTQDTELVEVPAGDGTQKAAVVVPSGEEQRYTCHVQHEGLPQPLILRWESQPQ 303
Qy 301 PTPIVGIAGLVVLGAVVTGAVVAAMVRKSSDRNFGSYQAATVDSAGSGVSLTAN 360
Db 304 PTPIVGIAGLVVLGAVVTGAVVAAMVRKSSDRKGGSYQAASSDSAGSGVSLTAC 363
Qy 361 KV 362
Db 364 KV 365

RESULT 13
US-10-631-467-728
; Sequence 728, Application US/10631467
; Publication No. US20050208496A1
; GENERAL INFORMATION:
; APPLICANT: Genox Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive p
; FILE OF INVENTION: disease
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631,467
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 728
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-631-467-728

Query Match 78.5%; Score 1508; DB 5; Length 362;
Best Local Similarity 79.7%; Pred. No. 1.6e-132;
Matches 286; Conservative 26; Mismatches 47; Indels 0; Gaps 0;

Qy 1 MAPSLLLLSGALALDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRPDSD 60
Db 4 MAPRTVLLLSAALALTETWAGSHSMRYFTTSVSRPGRGEPRIYAVGVDVTQFVRPDS 63
Qy 61 AAIPRMEPREPWEQEGPYQWETTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGMN 120
Db 64 AASPREEPAPWIEQEGPEYWDRTNTQIYKAQTDRESLRNLRYNGYNOSEAGSHTLQSMY 123
Qy 121 GCDMGPDGRLRGYHQAHDYDGDYISLNEDLRSWTAADTAQITQRFYEAEYAEFFTY 180
Db 124 GCDVGPDRLLRGYHQAHDYDGDYIALNEDLRSWTAADTAQITQKWEAAVAEAEQRAY 183
Qy 181 LEGECLELLRYLENGLETLQADPPKARVAHHPLSDHEATLRCWALGFYPAEITLTWQR 240
Db 184 LEGECVEWRLRYLENGKLEADPKTHVTHHPISDHEATLRCWALGFYPAEITLTWQR 243
Qy 241 DGEQQTQDTELVEVPAGDGTQKAAVVVPSGEEQRYTCHVQHEGLPQPLILRWESQPQ 300
Db 244 DGEDQTQDTELVEVPAGDGTQKAAVVVPSGEEQRYTCHVQHEGLPQPLILRWESQPQ 303
Qy 301 PTPIVGIAGLVVLGAVVTGAVVAAMVRKSSDRNFGSYQAATVDSAGSGVSLTA 359
Db 304 STPIVGIAGLVAVLVVIGAVVAAMVCRKSGKGGSYQAACSDSAGSGVSLTA 362

RESULT 14
US-10-138-888-23
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; Sequence 23, Application US/10138888
; Publication No. US20030148972A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Winston J.
; Drayna, Dennis T.
; Feder, John N.
; Gnirke, Andreas
; Ruddy, David
; Tsuchihashi, Zenta
; Wolff, Roger K.
; TITLE OF INVENTION: Hereditary Hemochromatosis Gene
; NUMBER OF SEQUENCES: 79
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/138,888
; FILING DATE: 02-May-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/834,497
; FILING DATE: 04-APR-1997
; APPLICATION NUMBER: US 08/652,265
; FILING DATE: 23-MAY-1996
; APPLICATION NUMBER: US 08/632,673
; FILING DATE: 16-APR-1996
; APPLICATION NUMBER: US 08/630,912
; FILING DATE: 04-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Brian M. Poissant
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-095-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..365
; OTHER INFORMATION: /note= "Human Major Histocompatibility
; Class I (MHC) protein"
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-138-888-23

Query Match 77.9%; Score 1497; DB 4; Length 365;
Best Local Similarity 77.9%; Pred. No. 1.7e-131;
Matches 282; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPSLLLLSGALALDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRPDSD 60
Db 4 MAPRTVLLLSGALALDTWAGSHSMRYFTTSVSRPGRGEPRIYAVGVDVTQFVRPDS 63
Qy 61 AAIPRMEPREPWEQEGPYQWETTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGMN 120
Db 64 AASORMEPAPWIEQEGPEYWDGTRKYKAHSQTHRVLDGLTGLRGYNOSEAGSHTLQMMF 123
Qy 121 GCDMGPDGRLRGYHQAHDYDGDYISLNEDLRSWTAADTAQITQRFYEAEYAEFFTY 180
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Db 124 GCDVSGDWRFLRGYHQYAVDGDYKDYIALKEDLSWTAADMAAQTTKHKWEAAHVABQLRAY 183
Qy 181 LEQECLELLRRYLENGLETQADPPKAAHVAHPISDHEATLRCWALGFYPAEITLTWQR 240
Db 184 LSGTCVWMLRRYLENGKETLQRTDAPKTEHTHVAHSDHEATLRCWALGFYPAEITLTWQR 243
Qy 241 DGEQOTQDTVELVETRPAGDGTQKAAVVPVSGEQRQYCHVQHGGLPOPLILRWESQPQ 300
Db 244 DGEDOTQDTVELVETRPAGDGTQKAAVVPVSGEQRQYCHVQHGGLPKPLTLRWESQPQ 303
Qy 301 PPIPIVGIAGLVAGLVGAVVGAHVAAVMWRKSSDRNRGSYSQAADVTSQAQSGVSLTAN 360
Db 304 PPIPIVGIAGLVAGLVGAVVGAHVAAVMWRKSSDRNRGSYSQAADVTSQAQSGVSLTAC 363
Qy 361 KV 362
Db 364 KV 365

RESULT 15

US-10-093-463-78
; Sequence 78, Application US/10093463
; Publication No. US20030208039A1
; GENERAL INFORMATION:
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Shenoy, Suresh
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Gusev, Vladimir
; APPLICANT: Pochart, Pascal
; APPLICANT: Zhong, Mei
; APPLICANT: Rastelli, Luca
; APPLICANT: Mezes, Peter
; APPLICANT: Smithson, Glennnda
; APPLICANT: Guo, Xiaojia
; APPLICANT: Caslach, Valerie
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Tchernev, Velizar
; APPLICANT: Gangolli, Esha
; APPLICANT: Vernet, Corine
; APPLICANT: Pena, Carol
; APPLICANT: Burgess, Catherine
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly
; APPLICANT: Gorman, Linda
; APPLICANT: Spaderna, Steven
; APPLICANT: Voss, Edward
; APPLICANT: Malyankar, Uriel
; APPLICANT: Anderson, David
; APPLICANT: Patturajan, Meera
; APPLICANT: Miller, Charles
; APPLICANT: Taupier, Raymond J. Jr.
; TITLE OF INVENTION: No. US20030208039A1el Antibodies that Bind to Antigenic Polypepti
; TITLE OF INVENTION: Encoding The Antigens, and Methods of Use.
; FILE REFERENCE: 21402-290A (Cura 590AT)
; CURRENT APPLICATION NUMBER: US/10/093,463
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 60/283,675
; PRIOR FILING DATE: 2001-04-14
; PRIOR APPLICATION NUMBER: 60/338,092
; PRIOR FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: 60/274,281
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/274,101
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/325,681
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 60/304,354
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/279,995
; PRIOR FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: 60/294,899
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: 60/287,424
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/299,027
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/309,198
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/281,194
; PRIOR FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/274,849
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/330,380
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/275,235
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: 60/288,342
; PRIOR FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 60/275,578
; PRIOR FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 370
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 78
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-093-463-78

Query Match 77.9%; Score 1496.5; DB 4; Length 379;
Best Local Similarity 78.0%; Pred. No. 2e-131;
Matches 284; Conservative 28; Mismatches 49; Indels 3; Gaps 1;
Qy 1 MAPRSLLLSGALALDTWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 60
Db 4 MAPRSLLLSGALALDTWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 63
Qy 61 AAIPRMEPREPWEQEGPOYWEWTTGYAKANAQTDRAVALRMLRRYNOSEA---GSHTLQ 117
Db 64 SACPRMEPRAPWVEQEGPEYWEETRTWKAQAQTDRAVALRMLRRYNOSEA---GSHTLQ 123
Qy 118 GNGCDMGDGRLLRGYHQYAVDGDYKDYIALKEDLSWTAADMAAQTTKHKWEAAHVABQLRAY 177
Db 124 WNIIGCDLSDGRLRGYHQYAVDGDYKDYIALKEDLSWTAADMAAQTTKHKWEAAHVABQLRAY 183
Qy 178 RYLEGECELELLRRYLENGLETQADPPKAAHVAHPISDHEATLRCWALGFYPAEITLT 237
Db 184 RAYLEGTCTVWMLRRYLENGKETLQRTDAPKTEHTHVAHSDHEATLRCWALGFYPAEITLT 243
Qy 238 WORDGEQOTQDTVELVETRPAGDGTQKAAVVPVSGEQRQYCHVQHGGLPOPLILRWESQPQ 297
Db 244 WORDGEDOTQDTVELVETRPAGDGTQKAAVVPVSGEQRQYCHVQHGGLPEPLMLRWESQPQ 303
Qy 298 SPQPTIPVGIAGLVAGLVGAVVGAHVAAVMWRKSSDRNRGSYSQAADVTSQAQSGVSL 357
Db 304 SPSPTIPVGIAGLVAGLVGAVVGAHVAAVMWRKSSDRNRGSYSQAADVTSQAQSGVSL 363
Qy 358 TANK 361
Db 364 TACK 367

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Job time : 122.234 secs

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OM protein - protein search, using sw model

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(without alignments)
837.583 Million cell updates/sec

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Perfect score: 1173
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/prodata/1/iaa/H_COMB.pep.*
4: /cgn2_6/prodata/1/iaa/PCUS_COMB.pep.*
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6: /cgn2_6/prodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1164	99.2	362	2	US-09-949-016-8242
2	940	80.1	274	1	US-08-222-851-1
3	869	74.1	338	2	US-09-949-016-6176
4	869	74.1	339	2	US-09-949-016-8636
5	857	73.1	365	1	US-08-484-905-104
6	857	73.1	365	2	US-08-481-985B-104
7	857	73.1	365	2	US-08-370-476-104
8	856	73.0	365	1	US-08-484-905-100
9	856	73.0	365	2	US-08-481-985B-100
10	856	73.0	365	2	US-08-370-476-100
11	853	72.7	365	1	US-08-484-905-99
12	853	72.7	365	2	US-08-481-985B-99
13	853	72.7	365	2	US-08-370-476-99
14	852	72.6	274	1	US-08-484-905-107
15	852	72.6	274	1	US-08-484-905-108
16	852	72.6	274	2	US-08-481-985B-107
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22	851	72.5	365	2	US-08-370-476-103
23	850	72.5	365	1	US-08-484-905-102
24	850	72.5	365	2	US-08-481-985B-102
25	850	72.5	365	2	US-08-370-476-102
26	849	72.4	365	1	US-08-484-905-97
27	849	72.4	365	1	US-08-484-905-98

28	849	72.4	365	2	US-08-481-985B-97	Sequence 97, Appl
29	849	72.4	365	2	US-08-481-985B-98	Sequence 98, Appl
30	849	72.4	365	2	US-08-652-265-23	Sequence 23, Appl
31	849	72.4	365	2	US-08-834-497A-23	Sequence 23, Appl
32	849	72.4	365	2	US-08-370-476-97	Sequence 97, Appl
33	849	72.4	365	2	US-08-370-476-98	Sequence 98, Appl
34	849	72.4	365	2	US-09-503-444A-23	Sequence 23, Appl
35	848	72.3	274	1	US-08-484-905-105	Sequence 105, App
36	848	72.3	274	2	US-08-481-985B-105	Sequence 105, App
37	848	72.3	274	2	US-08-370-476-105	Sequence 105, App
38	848	72.3	341	2	US-08-890-719-38	Sequence 38, Appl
39	844	72.0	274	1	US-08-484-905-106	Sequence 106, App
40	844	72.0	274	2	US-08-481-985B-106	Sequence 106, App
41	844	72.0	274	2	US-08-370-476-106	Sequence 106, App
42	835	71.2	365	1	US-08-484-905-101	Sequence 101, App
43	835	71.2	365	2	US-08-481-985B-101	Sequence 101, App
44	835	71.2	365	2	US-08-370-476-101	Sequence 101, App
45	809	69.0	361	2	US-08-652-265-22	Sequence 22, Appl

ALIGNMENTS

RESULT 1
US-09-949-016-8242
; Sequence 8242, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8242
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8242

Query Match 99.2%; Score 1164; DB 2; Length 362;
Best Local Similarity 99.5%; Pred. NO. 1.3e-112;
Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 IAVEYVDDTQFLRFDSDAAI PRMEPRPFWQEGPQYEWTTGYAKANAQTDVALRNLL 60
DB 44 IAVEYVDDTQFLRFDSDAAI PRMEPRPFWQEGPQYEWTTGYAKANAQTDVALRNLL 103

QY 61 RRYNOSEAGSHTLQMGNGCDMGDGLRLRGVQHWQDKYISLNEDLRSWTAADTVAQI 120
DB 104 RRYNOSEAGSHTLQMGNGCDMGDGLRLRGVQHWQDKYISLNEDLRSWTAADTVAQI 163

QY 121 TORFYAEAYAEFFTYLGECLLELLRRYLENGKETLQRADPPPKARVAHPISDHEATLR 180
DB 164 TORFYAEAYAEFFTYLGECLLELLRRYLENGKETLQRADPPPKARVAHPISDHEATLR 223

QY 181 CWALGFYPAEITLTWQRDGEQTQDTLVEVTRPAG 215
DB 224 CWALGFYPAEITLTWQRDGEQTQDTLVEVTRPAG 258

RESULT 2
US-08-222-851-1
; Sequence 1, Application US/08222851
; Patent No. 5723128

GENERAL INFORMATION:
; APPLICANT: CLAYBERGER, CAROL A.
; APPLICANT: KRENSKY, ALAN M.
; APPLICANT: PARHAM, PETER
; TITLE OF INVENTION: CYTOTOXIC T-CELL LYMPHOCYTE ("CTL")
; TITLE OF INVENTION: ACTIVITY REGULATION BY CLASS I MHC PEPTIDES
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS: 43
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 PENNSYLVANIA AVENUE, NW, STE 5500
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,851
; FILING DATE: 05-APR-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: MILLMAN, ROBERT A.
; REGISTRATION NUMBER: 36,217
; REFERENCE/DOCKET NUMBER: 28600-20200.22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 494-0792
; TELEX: 90-4030 MRSNFOERSWSH
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 274 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-222-851-1

Query Match 80.1%; Score 940; DB 1; Length 274;
Best Local Similarity 80.5%; Pred. No. 1.8e-89;
Matches 173; Conservative 14; Mismatches 28; Indels 0; Gaps 0;

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Qy 1 IAVEYVDDTQFLRFDSDAAIPRMEPRPFWVEQEGPQYWEWTTGYAKANAQTDRLVALRLL 60
Db 23 IAVGYVDDTQFVRFDSDAASPRMEPRAPWVEQEGPEYWDRETQIVKAQSDTREDLRLTLR 82
Qy 61 RRYNQSEAGSHTLQMGNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 83 GYNGQSEAGSHTIQRMVCGDVGPDGRLLRGYHQYAYDYGKDYIALNEDLRSWTAADTAAQI 142
Qy 121 TORFYAEAEYAEFFTYLEGECLLRRLRYLNGKETLQADPPPKAHVAHHPISDHEATLR 180
Db 143 TQRKWEARVAEQRLAYLEGTCTVWHLRYLNGKETLQADPPPKTHVTHHPISDHEATLR 202
Qy 181 CWALGFYPAEITLTWQRDGEQTQDTELVELTRPAG 215
Db 203 CWALGFYPAEITLTWQRDGEQTQDTELVELTRPAG 237
```

RESULT 3
US-09-949-016-6176
; Sequence 6176, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6176
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6176

Query Match 74.1%; Score 869; DB 2; Length 338;
Best Local Similarity 74.9%; Pred. No. 5.7e-82;
Matches 161; Conservative 19; Mismatches 35; Indels 0; Gaps 0;
Qy 1 IAVEYVDDTQFLRFDSDAAIPRMEPRPFWVEQEGPQYWEWTTGYAKANAQTDRLVALRLL 60
Db 47 IAVGYVDDTQFVRFDSDSACPRMEPRAPWVEQEGPEYWEETRNTKAKAQTDRMNLQTLR 106
Qy 61 RRYNQSEAGSHTLQMGNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 107 GYNGQSEAGSHTLQMWIGCDLGSGRLLRGYEQYAYDYGKDYIALNEDLRSWTAADTAAQI 166
Qy 121 TORFYAEAEYAEFFTYLEGECLLRRLRYLNGKETLQADPPPKAHVAHHPISDHEATLR 180
Db 167 SKRCKEAAVABQRRAYLEGTCTVWHLRYLNGKEMLQADPPPKTHVTHHPVDFYEATLR 226
Qy 181 CWALGFYPAEITLTWQRDGEQTQDTELVELTRPAG 215
Db 227 CWALGFYPAEITLTWQRDGEQTQDTELVELTRPAG 261

RESULT 4

US-09-949-016-8636
; Sequence 8636, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8636
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8636

Query Match 74.1%; Score 869; DB 2; Length 339;
Best Local Similarity 74.9%; Pred. No. 5.7e-82;
Matches 161; Conservative 19; Mismatches 35; Indels 0; Gaps 0;
Qy 1 IAVEYVDDTQFLRFDSDAAIPRMEPRPFWVEQEGPQYWEWTTGYAKANAQTDRLVALRLL 60
Db 48 IAVGYVDDTQFVRFDSDSACPRMEPRAPWVEQEGPEYWEETRNTKAKAQTDRMNLQTLR 107
Qy 61 RRYNQSEAGSHTLQMGNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 108 GYNGQSEAGSHTLQMWIGCDLGSGRLLRGYEQYAYDYGKDYIALNEDLRSWTAADTAAQI 167
Qy 121 TORFYAEAEYAEFFTYLEGECLLRRLRYLNGKETLQADPPPKAHVAHHPISDHEATLR 180
Db 168 SKRCKEAAVABQRRAYLEGTCTVWHLRYLNGKEMLQADPPPKTHVTHHPVDFYEATLR 227

Qy	181	CWALGFYPAEITLTWQRDGEQTQDTLVETRPAG	215
		:	
Dd	228	CWALGFYPAEITLTWQRDGEQTQDTLVETRPAG	262

```

RESULT 5
US-08-484-905-104
; Sequence 104, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Etienne
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
; TITLE OF INVENTION: Determinant
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-104

```

```

Qy   181 CWALGFYPAEITLTWQRDGBEQDTDELVETRPAG 215
      ||||| ||||||| ||||||| :|||:|||||
Db   227 CWAISFYPAEITLTWQRDGBEQDTDELVETRPAG 261
      ||||| ||||||| ||||||| :|||:|||||

RESULT 6
US -08-481-985B-104
; Sequence 104, Application US/08481985B
; Patent No. 6011146
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,985B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US -08-481-985B-104

Query Match          73.1%; Score 857; DB 2; Length 365;
Best Local Similarity 73.5%; Pred. No. 1.le-80;
Matches 159; Conservative 18; Mismatches 39; Indels 0

Qy   1 IAVEYDDTQFLRFDSDAAIPRMREPWPVRGEGPYWEWTGYAKANAQTDR
      ||||| ||||||| ||||||| :|||:|||||
Db   47 IAVGVYDDTFQVRFPDSDAASORMEPRAPWIEQGEGPEYWDFTNRNVKAQSQTDR
      ||||| ||||||| ||||||| :|||:|||||

Qy   61 RRYNSGASHTLQMGNGCDMPGGELLRGVHQHAWDGKDYLSINEDLRSWTA
      ||||| ||||||| ||||||| :|||:|||||
Db   107 GYNQSGASHHTIQMYTGCDVGSDGRFURGVYRDAYDKGYITALKBEDLRSWTA
      ||||| ||||||| ||||||| :|||:|||||

Qy   121 TORFYAEAEVEAEEPRTYLEGECLLLRRYLENGETLQRAADPPKFAHVHPHS
      :|||:||||:|||||:|||||:|||||:|||||:|||||:|||||
Db   167 TKHKWEAHVAEQWEALEGTVCVELARYLENKETLORTDPKTMTHVAHS
      :|||:||||:|||||:|||||:|||||:|||||:|||||:|||||

Qy   181 CWALGFYPAEITLTWQRDGBEQDTDELVETRPAG 215

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Db      227 CWALSFYPABITLTWQRDGEDQTDTELVEITRPAG 261

RESULT 7
US-08-370-476-104
; Sequence 104, Application US/08370476
; Patent No. 6153408
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; APPLICANT: Lone, Yu-Chun
; APPLICANT: Ojcius, David
; APPLICANT: Casrouge, Amanda
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESS: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,476
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/117,575
; FILING DATE: 07-SEP-1993
; APPLICATION NUMBER: US 08/072,787
; FILING DATE: 06-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05243.0001-01000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-370-476-104

Query Match      73.1%; Score 857; DB 2; Length 365;
Best Local Similarity 73.5%; Pred. No. 1.1e-80;
Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

QY      1 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVQEGPQYWEWTTGKAKANAQTDRLVALRNLL 60
Db      47 IAVGVDDTQFVRFDSDAASQRMPEAPWIEQEGEYWDFTNRNVKQAQSDTRVDLSLTLR 106
QY      61 RRYNQSGASHTLQGMGNCMDGPDGRLRLRGYHQHAWDKDYISLNEDLRSWTAADTVAQI 120
Db      107 GYNNQSGASHTIQMYGCDVSGDGRFLRGYQYAYDGKDYIALKEDLRSWTAADMAAQT 166
QY      121 TORFYAEAEYAEFPFTYLEGECLELLRRYLENGKETLQRADPPKAAHVAHPISDHEATLR 180
Db      167 TKHWEAAHVAEQRLAYLEGTCTVEWLRYLNGKETLQRTDAPKTHMTHHVAUSDHEATLR 226

Db      167 TKHWEAAHVAEQRLAYLEGTCTVEWLRYLNGKETLQRTDAPKTHMTHHVAUSDHEATLR 226

QY      181 CWALGFYPABITLTWQRDGEQTDTELVEITRPAG 215
Db      227 CWALSFYPABITLTWQRDGEDQTDTELVEITRPAG 261

RESULT 8
US-08-484-905-100
; Sequence 100, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
; TITLE OF INVENTION: Determinant
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESS: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 100:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-100

Query Match      73.0%; Score 856; DB 1; Length 365;
Best Local Similarity 73.5%; Pred. No. 1.4e-80;
Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

QY      1 IAVEYVDDTQFLRFDSDAAIPRMEPRFPWVQEGPQYWEWTTGKAKANAQTDRLVALRNLL 60
Db      47 IAVGVDDTQFVRFDSDAASQRMPEAPWIEQEGEYWDGTRKVKAKHSQTHRVLDLSLTLR 106
QY      61 RRYNQSGASHTLQGMGNCMDGPDGRLRLRGYHQHAWDKDYISLNEDLRSWTAADTVAQI 120
Db      107 GYNNQSGASHTIQRMFGCDVSGDGRFLRGYQYAYDGKDYIALKEDLRSWTAADMAAQT 166
QY      121 TORFYAEAEYAEFPFTYLEGECLELLRRYLENGKETLQRADPPKAAHVAHPISDHEATLR 180
Db      167 TKHWEAAHVAEQRLAYLEGTCTVEWLRYLNGKETLQRTDAPKTHMTHHVAUSDHEATLR 226
```

QY 181 CWALGFYPAEITLTWQDGEQOTDTLVELTRPAG 215
|||||
Db 227 CWALSFYPAEITLTWQDGEQOTDTLVELTRPAG 261
|||||

RESULT 9
US-08-481-985B-100
; Sequence 100, Application US/08481985B
; Patent No. 6011146
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; APPLICANT: Lone, Yu-Chun
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481.985B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801.818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792.473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 100:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-481-985B-100

Query Match 73.0%; Score 856; DB 2; Length 365;
Best Local Similarity 73.5%; Pred. No. 1.4e-80;
Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

QY 1 IAVGVDDTQFLRFDSDAAIPRMEPRPWPVEQSGPYWETTTGYAKANAQTDRLVALRNL 60
Db 47 IAVGVDDTQVRFDSDAASQRMEPRAPWIEQEGPYWGTGTRKVKASHQTHRVLDLSTLR 106
QY 61 RRYNQSEAGSHTLQGMNCGDMPGDRLLRGYHQAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 107 GYYNQSEAGSHTVQRMFGCDVSGDRFLRGYHQAWDGKDYIALKEDLRSWTAADMAQT 166
QY 121 TORFYAEAEYAEFRPTYLEGCELELLRRLYENGKETLQADPPKHAHVHPISDHEATLR 180
Db 167 TKHWEAAHVAEQRLAYLEGTCVLEWLRRLYENGKETLQRTDAPKTHMTTHAVSDHEATLR 226
QY 181 CWALGFYPAEITLTWQDGEQOTDTLVELTRPAG 215
|||||

Db 227 CWALSFYPAEITLTWQDGEQOTDTLVELTRPAG 261
|||||

RESULT 10
US-08-370-476-100
; Sequence 100, Application US/08370476
; Patent No. 6153408
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; APPLICANT: Lone, Yu-Chun
; APPLICANT: Ocius, David
; APPLICANT: Casrouge, Armanda
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/370.476
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/117,575
; FILING DATE: 07-SEP-1993
; APPLICATION NUMBER: US 08/072,787
; FILING DATE: 06-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801.818
; FILING DATE: 05-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792.473
; FILING DATE: 15-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05243.0001-01000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 100:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-370-476-100

Query Match 73.0%; Score 856; DB 2; Length 365;
Best Local Similarity 73.5%; Pred. No. 1.4e-80;
Matches 159; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

QY 1 IAVGVDDTQFLRFDSDAAIPRMEPRPWPVEQSGPYWETTTGYAKANAQTDRLVALRNL 60
Db 47 IAVGVDDTQVRFDSDAASQRMEPRAPWIEQEGPYWGTGTRKVKASHQTHRVLDLSTLR 106
QY 61 RRYNQSEAGSHTLQGMNCGDMPGDRLLRGYHQAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 107 GYYNQSEAGSHTVQRMFGCDVSGDRFLRGYHQAWDGKDYIALKEDLRSWTAADMAQT 166
QY 121 TORFYAEAEYAEFRPTYLEGCELELLRRLYENGKETLQADPPKHAHVHPISDHEATLR 180
|||||

Db 167 TKHWEAARVAEQLRAYLEGTCVEWLRYLENGKETLQRTDAPKTHMTHAVSDHEATLR 226
Qy 181 CWALGFYPAETITLTWQDGBEQTQDTVELVETRPAG 215
Db 227 CWALSFYPAETITLTWQDGBEQTQDTVELVETRPAG 261

RESULT 11

US-08-484-905-99
; Sequence 99, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
; TITLE OF INVENTION: Determinant
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 99:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-99

Query Match 72.7%; Score 853; DB 1; Length 365;
Best Local Similarity 73.0%; Pred. No. 2.9e-80;
Matches 157; Conservative 19; Mismatches 39; Indels 0; Gaps 0;
Qy 1 IAVEVDDTQFLRFDSDAAIPRMEPREPWVQEGPQYWEWTTGYAKANAQTDRAVLRNLL 60
Db 47 IAVGVDDTQVRFDSDAASQRMPEPAPWISQEGPEYWDGETRKYKAHSQTHRVLDLTLR 106
Qy 61 RRYNQSEAGSHTLQGMNGCDMPGDLRLRGYHQAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 107 GYYNQSEAGSHTVQRMVCGDVGSDGRFLRGYHQAWDGKDYIALKEDLRSWTAADMAAQT 166
Qy 121 TORFYAEYAEFFTYLEGECLLRRLRYLENGKETLQRTDAPPKAHVAHPHISDHEATLR 180

Db 167 TKHKWETAHEAQWRAYLEGTCVEWLRYLENGKETLQRTDAPKTHMTHAVSDHEATLR 226
Qy 181 CWALGFYPAETITLTWQDGBEQTQDTVELVETRPAG 215
Db 227 CWALSFYPAETITLTWQDGBEQTQDTVELVETRPAG 261

RESULT 12

US-08-481-985B-99
; Sequence 99, Application US/08481985B
; Patent No. 6011146
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,985B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 99:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-481-985B-99

Query Match 72.7%; Score 853; DB 2; Length 365;
Best Local Similarity 73.0%; Pred. No. 2.9e-80;
Matches 157; Conservative 19; Mismatches 39; Indels 0; Gaps 0;
Qy 1 IAVEVDDTQFLRFDSDAAIPRMEPREPWVQEGPQYWEWTTGYAKANAQTDRAVLRNLL 60
Db 47 IAVGVDDTQVRFDSDAASQRMPEPAPWISQEGPEYWDGETRKYKAHSQTHRVLDLTLR 106
Qy 61 RRYNQSEAGSHTLQGMNGCDMPGDLRLRGYHQAWDGKDYISLNEDLRSWTAADTVAQI 120
Db 107 GYYNQSEAGSHTVQRMVCGDVGSDGRFLRGYHQAWDGKDYIALKEDLRSWTAADMAAQT 166
Qy 121 TORFYAEYAEFFTYLEGECLLRRLRYLENGKETLQRTDAPPKAHVAHPHISDHEATLR 180
Db 167 TKHKWETAHEAQWRAYLEGTCVEWLRYLENGKETLQRTDAPKTHMTHAVSDHEATLR 226

QY 181 CWALGFYPAEITLTWQRDGEQOTDELVELTRPAG 215
 DB 227 CWALGFYPAEITLTWQRDGEQOTDELVELTRPAG 261

RESULT 13
 US-08-370-476-99
 ; Sequence 99, Application US/08370476
 ; Patent No. 6153408
 ; GENERAL INFORMATION:
 ; APPLICANT: Mottez, Estelle
 ; APPLICANT: Abastado, Jean-Pierre
 ; APPLICANT: Kourilsky, Philippe
 ; APPLICANT: Lone, Yu-Chun
 ; APPLICANT: Ojcius, David
 ; APPLICANT: Casrouge, Armanda
 ; TITLE OF INVENTION: Altered Major Histocompatibility Complex
 ; NUMBER OF SEQUENCES: 127
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
 ; ADDRESS: Dunner
 ; STREET: 1300 I Street, N.W., Suite 700
 ; CITY: Washington
 ; STATE: D.C.
 ; ZIP: 20005-3315
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/370.476
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/117,575
 ; FILING DATE: 07-SEP-1993
 ; APPLICATION NUMBER: US 08/072,787
 ; FILING DATE: 06-JUN-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/801,818
 ; FILING DATE: 05-DEC-1991
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/792,473
 ; FILING DATE: 15-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Meyers, Kenneth J.
 ; REGISTRATION NUMBER: 25,146
 ; REFERENCE/DOCKET NUMBER: 05243.0001-01000
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-408-4000
 ; TELEFAX: 202-408-4400
 ; INFORMATION FOR SEQ ID NO: 99:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 365 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-370-476-99

Query Match 72.7%; Score 853; DB 2; Length 365;
 Best Local Similarity 73.0%; Pred. No. 2.9e-80;
 Matches 157; Conservative 19; Mismatches 39; Indels 0; Gaps 0;
 QY 1 IAVGVDDTQFLRPSDAAI PRMEPRPWEQEGPQYWEWTTGYAKANAQTDRVALRNLL 60
 DB 47 IAVGVDDTQVRFPSDDAASQRMPEPRAPWIEQEGPEYWDGETRKVKASHQTHRVLDLSTLR 106
 QY 61 RRYNQSGAGSHTLQGMNCGDGPGRLLRGVGHQAWDGKDYISLNEDLRSWTAADTVAQI 120
 DB 107 GYTNQSGAGSHTVQRMVCGDVGSDGRFLRGTHQYAYDGKDYIALKEDLRSWTAADMAAQT 166

QY 121 TORFYAEABEYAEPRTYLEGECELLRRLYLENGKETLQRADPPKAVHHPISDHEATLR 180
 DB 167 TKHWETAHEAEQWRYALEGTCVWRLRYLENGKETLQRTDAPKTHMTHAVSDHEATLR 226
 QY 181 CWALGFYPAEITLTWQRDGEQOTDELVELTRPAG 215
 DB 227 CWALGFYPAEITLTWQRDGEQOTDELVELTRPAG 261

RESULT 14
 US-08-484-905-107
 ; Sequence 107, Application US/08484905
 ; Patent No. 5976551
 ; GENERAL INFORMATION:
 ; APPLICANT: Mottez, Estelle
 ; APPLICANT: Abastado, Jean-Pierre
 ; APPLICANT: Kourilsky, Philippe
 ; TITLE OF INVENTION: An Altered Major Histocompatibility
 ; TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
 ; NUMBER OF SEQUENCES: 127
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
 ; ADDRESS: Dunner
 ; STREET: 1300 I Street, N.W., Suite 700
 ; CITY: Washington
 ; STATE: D.C.
 ; ZIP: 20005-3315
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy Disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/484.905
 ; FILING DATE: 07-JUNE-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/801,818
 ; FILING DATE: 05-DEC-1991
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/792,473
 ; FILING DATE: 15-NOV-1991
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Potter, Jane E. R.
 ; REGISTRATION NUMBER: 33,332
 ; REFERENCE/DOCKET NUMBER: 03495.0106-03000
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-408-4000
 ; TELEFAX: 202-408-4400
 ; INFORMATION FOR SEQ ID NO: 107:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 274 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-484-905-107

Query Match 72.6%; Score 852; DB 1; Length 274;
 Best Local Similarity 73.5%; Pred. No. 2.5e-80;
 Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;
 QY 1 IAVGVDDTQFLRPSDAAI PRMEPRPWEQEGPQYWEWTTGYAKANAQTDRVALRNLL 60
 DB 23 IAVGVDDTQVRFPSDDAASQRMPEPRAPWIEQEGPEYWDGETRKVKASHQTHRVLDLSTLR 82
 QY 61 RRYNQSGAGSHTLQGMNCGDGPGRLLRGVGHQAWDGKDYISLNEDLRSWTAADTVAQI 120
 DB 83 GYTNQSGAGSHTLQRMVCGDVGSDGRFLRGTHQYAYDGKDYIALKEDLRSWTAADMAAQT 142
 QY 121 TORFYAEABEYAEPRTYLEGECELLRRLYLENGKETLQRADPPKAVHHPISDHEATLR 180

Db 143 TKHWEAAHVAEQWRAYLEGTCVWELRRYLENGKETLQRTDAPKTHMTHHAVSDHEATLR 202
Qy 181 CWALGFYPAITITLTWQRDGEQOTDTLQVETRPAG 215
Db 203 CWALSFYPAITITLTWQRDGEDQTDQDTLQVETRPAG 237

RESULT 15

US-08-484-905-108
; Sequence 108, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
; TITLE OF INVENTION: Determinant
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 108:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 274 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-108

Query Match 72.6%; Score 852; DB 1; Length 274;
Best Local Similarity 73.5%; Pred. No. 2.5e-80;
Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;
Qy 1 IAVYVDDTQFLRFDSDAAIRMEPRFPWVEQEGPQYHWTGYAKANAQTDRLVALRNL 60
Db 23 IAVGVDDTQVRFDSDAASRAEMPEAFWIEQEGPEYWDGETRNVYKAHSQTHRVLDLSTLR 82
Qy 61 RRYNQSEAGSHTLQGMNGCDMPDGRLLRGYHQAWDGKDYISLNEDLRSWTAAQTVAQI 120
Db 83 GYVQSEAGSHTLQRMVYCDVGSDFLGRGHYAYDGDYALKEDLRSWTAAQMAQT 142
Qy 121 TORFYAEAEYAEFFTYLEGECLELLRRYLENGKETLQRTDAPKTHMTHHAVSDHEATLR 180

Db 143 TKHWEAAHVAEQWRAYLEGTCVWELRRYLENGKETLQRTDAPKTHMTHHAVSDHEATLR 202
Qy 181 CWALGFYPAITITLTWQRDGEQOTDTLQVETRPAG 215
Db 203 CWALSFYPAITITLTWQRDGEDQTDQDTLQVETRPAG 237

Search completed: April 7, 2006, 12:41:55
Job time : 21.2221 secs

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OM protein - protein search, using sw model

Run on: April 7, 2006, 13:01:26 ; Search time 9.85311 Seconds
(without alignments)
680.625 Million cell updates/sec

Title: US-09-819-371-6
Perfect score: 1173
Sequence: 1 IAVEYDDTQFLRPSDAAI.....ORDGEQDTVELVETRPAG 215

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 184161 seqs, 3119182 residues

Total number of hits satisfying chosen parameters: 184161

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:
1: /SIDSS/prodata1/pubpaa/US08_NEW_PUB.pep.*
2: /SIDSS/prodata1/pubpaa/US06_NEW_PUB.pep.*
3: /SIDSS/prodata1/pubpaa/US07_NEW_PUB.pep.*
4: /SIDSS/prodata1/pubpaa/PCT_NEW_PUB.pep.*
5: /SIDSS/prodata1/pubpaa/US09_NEW_PUB.pep.*
6: /SIDSS/prodata1/pubpaa/US10_NEW_PUB.pep.*
7: /SIDSS/prodata1/pubpaa/US11_NEW_PUB.pep.*
8: /SIDSS/prodata1/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	869	74.1	338	US-10-821-234-1565	Sequence 1565, Ap
2	852	72.6	530	US-10-995-805-4	Sequence 4, Appli
3	845	72.0	365	US-10-821-234-1575	Sequence 1575, Ap
4	791	67.4	358	US-10-821-234-1563	Sequence 1563, Ap
5	755	64.4	575	US-10-995-805-2	Sequence 2, Appli
6	624	53.2	284	US-11-072-512-3648	Sequence 3648, Ap
7	466	39.7	209	US-11-072-512-1978	Sequence 1978, Ap
8	330.5	28.2	295	US-11-177-506-52	Sequence 52, Appli
9	285.5	24.3	280	US-10-995-561-655	Sequence 655, App
10	285.5	24.3	348	US-10-995-561-649	Sequence 649, App
11	285.5	24.3	348	US-11-252-452-2	Sequence 2, Appli
12	282.5	24.1	325	US-10-995-561-652	Sequence 652, App
13	248.5	21.2	334	US-10-995-561-658	Sequence 658, App
14	227	19.4	150	US-11-072-512-3304	Sequence 3304, Ap
15	223.5	19.1	260	US-10-995-561-651	Sequence 651, App
16	195.5	16.7	365	US-10-521-053-4	Sequence 4, Appli
17	186.5	15.9	246	US-10-995-561-657	Sequence 657, App
18	139	11.8	333	US-11-181-234-5	Sequence 5, Appli
19	139	11.8	333	US-11-181-234-7	Sequence 7, Appli
20	137.5	11.7	327	US-11-181-234-3	Sequence 3, Appli
21	131.5	11.2	256	US-10-995-561-654	Sequence 654, App
22	124.5	10.6	161	US-10-995-561-653	Sequence 653, App
23	107	9.1	179	US-10-884-730-84	Sequence 84, Appli
24	106.5	9.1	242	US-10-995-561-648	Sequence 648, App
25	105	9.0	266	US-10-884-730-85	Sequence 85, Appli

ALIGNMENTS

RESULT 1

US-10-821-234-1565
; Sequence 1565, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_seq_genes Version 1.0
; SEQ ID NO 1565
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1565

Query Match 74.1%; Score 869; DB 6; Length 338;
Best Local Similarity 74.9%; Pred. No. 2.4e-69;
Matches 161; Conservative 19; Mismatches 35; Indels 0; Gaps 0;
QY 1 IAVEYDDTQFLRPSDAAI PRMSPRPWVEQGPYWEWTTGYAKANAOTDRVALRNL 60
Db 47 IAVEYDDTQFLRPSDAI PRMSPRPWVEQGPYWEWTTGYAKANAOTDRVALRNL 106
QY 61 RRYNQSEAGSHTLQMGNCMDGPDRLRLRGYHAWDGKQYISLNEDLSRWTAADTVAQI 120
Db 107 GYTNQSEASHTLQMGNCMDGPDRLRLRGYHAWDGKQYISLNEDLSRWTAADTVAQI 166
QY 121 TORPYABEYAEVPRFTYLEGECLELLRRLYENGKETLQADPPKAAHVAHPISHEATLR 180
Db 167 SKRCEANVAEQRRAYLEGTCEVWHLRYLNGKEMQLQADPPKTHVTHFPDYFYEATLR 226
QY 181 CWALGFYPAETTLTWQRDGEQDTDELVETRPAG 215
Db 227 CWALGFYPAETTLTWQRDGEQDTDELVETRPAG 261

RESULT 2

US-10-995-805-4
; Sequence 4, Application US/10995805
; Publication No. US20050287631A1

```
; GENERAL INFORMATION:
; APPLICANT: KROENKE, MARTIN
; APPLICANT: ZAVAZAVA, NICHOLAS
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS
; FILE REFERENCE: I AND II-LIKE MOLECULE (dsMHC I AND dsMHC II)
; CURRENT APPLICATION NUMBER: US/10/995,805
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/524,988
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-805-4

Query Match      72.6%; Score 852; DB 6; Length 530;
Best Local Similarity 73.5%; Pred. No. 1.2e-67;
Matches 158; Conservative 20; Mismatches 37; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFLRFDSDAAI PRMPREPVPWVEQEGPYQWETTTGYAKANAQTDRLVALRML 60
Db 47 IAVGVDDSDQVFQFSDSDAASQRMPEAPWIEQEPYWDDETRNVKAHSQTRNANLGTLR 106
Qy 61 RRYNQSEAGSHTLQMGNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAAQI 120
Db 107 GYTNQSEAGSHTIQIMYCGVSDGRFLRGYQDAYDYGKDYIALNEDLRSWTAADMAAQI 166
Qy 121 TORFYAEABEYAEFRPTYLEGECLELLRRYLENGKETLQORADPPKHAHVAHPISDHEATLR 180
Db 167 TKRWEAARAEQRAVLEGVCVGLRLRYLENGKETLQRTDPPKTHMTHHPSDHEATLR 226
Qy 181 CWA LGFYPAEITLTWQRDGEQTQDTVELVETRPAG 215
Db 227 CWALSFYPAEITLTWQRDGEQTQDTVELVETRPAG 261

Query Match      72.0%; Score 845; DB 6; Length 365;
Best Local Similarity 73.0%; Pred. No. 3.4e-67;
Matches 157; Conservative 18; Mismatches 40; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFLRFDSDAAI PRMPREPVPWVEQEGPYQWETTTGYAKANAQTDRLVALRML 60
Db 47 IAVGVDDTQFLRFDSDAASQRMPEAPWIEQEPYWDGTRKVKASHQTRVDLGTLR 106
Qy 61 RRYNQSEAGSHTLQMGNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAAQI 120
Db 107 GYTNQSEAGSHTVQRMVYCGVSDWRFLRGYHQYAYDYGKDYIALKEDLRSWTAADMAAQI 166

; GENERAL INFORMATION:
; APPLICANT: KROENKE, MARTIN
; APPLICANT: ZAVAZAVA, NICHOLAS
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS
; FILE REFERENCE: I AND II-LIKE MOLECULE (dsMHC I AND dsMHC II)
; CURRENT APPLICATION NUMBER: US/10/995,805
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/524,988
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-805-4

Query Match      72.6%; Score 852; DB 6; Length 530;
Best Local Similarity 73.5%; Pred. No. 1.2e-67;
Matches 158; Conservative 20; Mismatches 37; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFLRFDSDAAI PRMPREPVPWVEQEGPYQWETTTGYAKANAQTDRLVALRML 60
Db 47 IAVGVDDSDQVFQFSDSDAASQRMPEAPWIEQEPYWDDETRNVKAHSQTRNANLGTLR 106
Qy 61 RRYNQSEAGSHTLQMGNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAAQI 120
Db 107 GYTNQSEAGSHTIQIMYCGVSDGRFLRGYQDAYDYGKDYIALNEDLRSWTAADMAAQI 166
Qy 121 TORFYAEABEYAEFRPTYLEGECLELLRRYLENGKETLQORADPPKHAHVAHPISDHEATLR 180
Db 167 TKRWEAARAEQRAVLEGVCVGLRLRYLENGKETLQRTDPPKTHMTHHPSDHEATLR 226
Qy 181 CWA LGFYPAEITLTWQRDGEQTQDTVELVETRPAG 215
Db 227 CWALSFYPAEITLTWQRDGEQTQDTVELVETRPAG 261

Query Match      67.4%; Score 791; DB 6; Length 358;
Best Local Similarity 68.8%; Pred. No. 1.9e-62;
Matches 148; Conservative 20; Mismatches 47; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFLRFDSDAAI PRMPREPVPWVEQEGPYQWETTTGYAKANAQTDRLVALRML 60
Db 44 ISVGVDTTQVFRFDNDAAASPRMVPFAPWMEQEGSEYWDRETRSGARDTAAQIFRVNLTLR 103
Qy 61 RRYNQSEAGSHTLQMGNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVAAQI 120
Db 104 GYTNQSEAGSHTLQMGNGCELGPDRFLRGYEQYAYDYGKDYILNEDLRSWTAADTVAAQI 163
Qy 121 TORFYAEABEYAEFRPTYLEGECLELLRRYLENGKETLQORADPPKHAHVAHPISDHEATLR 180
Db 164 SEQNSNDASEAHQRAVLEDTCVWLHKYLEKGKETLLHLLEPPKTHVTHHPISDHEATLR 223
Qy 181 CWA LGFYPAEITLTWQRDGEQTQDTVELVETRPAG 215
Db 224 CWA LGFYPAEITLTWQRDGEQTQDTVELVETRPAG 258

; GENERAL INFORMATION:
; APPLICANT: KROENKE, MARTIN
; APPLICANT: ZAVAZAVA, NICHOLAS
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS
; FILE REFERENCE: I AND II-LIKE MOLECULE (dsMHC I AND dsMHC II)
; CURRENT APPLICATION NUMBER: US/10/995,805
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/524,988
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 575
; TYPE: PRT
US-10-995-805-2

; Sequence 2, Application US/10995805
; Publication No. US20050287631A1
; GENERAL INFORMATION:
; APPLICANT: KROENKE, MARTIN
; APPLICANT: ZAVAZAVA, NICHOLAS
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS
; FILE REFERENCE: I AND II-LIKE MOLECULE (dsMHC I AND dsMHC II)
; CURRENT APPLICATION NUMBER: US/10/995,805
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/524,988
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 575
; TYPE: PRT
```



```
; Sequence 651, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 651
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-651

Query Match      19.1%; Score 223.5; DB 6; Length 260;
Best Local Similarity 36.1%; Pred. No. 1.5e-12;
Matches 52; Conservative 26; Mismatches 61; Indels 5; Gaps 4;

Qy      70 SHTLQGMNGCDMPDGRLLRGYHQHAWDGKDYISLNEDLRSWTAADTVQAQITQRFYAE 129
Db      27 SHTLQVILGCEMQEDNS-TEGYWKYGYDQDHLFCFCDTLDWRAAEPRAPWPTKLEWERHK 85

Qy      130 Y-ABEFRTYLEGECLELLRRYLENGKETLQRAADPPKAHVAAHPISDHEATLRCHWALGEYP 188
Db      86 IRARQNRAYLERDCPAQLQQLLELGRGVLDQQVPLVKVTHH-VTSSVTTLRCRALNYYP 144

Qy      189 AEITLTWQDGEEOQTDELVETR 212
Db      145 QNITMKWLKD--KQPMDAKEFEPK 166
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Search completed: April 7, 2006, 13:06:43
Job time : 10.8531 secs

Result No.	Score	Query Match	Length	DB	ID	Description
1	1493	77.7	365	6	US-10-821-234-1575	Sequence 1575, Ap
2	1424	74.1	338	6	US-10-821-234-1565	Sequence 1565, Ap
3	1350	70.2	358	6	US-10-821-234-1563	Sequence 1563, Ap
4	1239.5	64.5	530	6	US-10-995-805-4	Sequence 4, Appli
5	1126.5	58.6	575	6	US-10-995-805-2	Sequence 2, Appli
6	985	51.2	284	7	US-11-072-513-3648	Sequence 3648, Ap
7	625.5	32.5	350	7	US-11-072-513-3304	Sequence 3304, Ap
8	519.5	27.0	348	6	US-10-995-561-649	Sequence 649, App
9	519.5	27.0	348	7	US-11-252-452-2	Sequence 2, Appli
10	485	25.2	325	6	US-10-995-561-652	Sequence 652, App
11	482.5	25.1	334	6	US-10-995-561-658	Sequence 658, App
12	481.5	25.1	295	7	US-11-177-506-52	Sequence 52, Appli
13	470.5	24.5	209	7	US-11-072-513-1978	Sequence 1978, Ap
14	418.5	21.8	260	6	US-10-995-561-651	Sequence 651, App
15	381.5	19.8	246	6	US-10-995-561-657	Sequence 657, App
16	381	19.8	365	6	US-10-521-053-4	Sequence 4, Appli
17	370	19.3	280	6	US-10-995-561-655	Sequence 655, App
18	362.5	18.9	256	6	US-10-995-561-654	Sequence 654, App
19	338.5	17.6	242	6	US-10-995-561-648	Sequence 648, App
20	289.5	15.1	168	6	US-10-995-561-656	Sequence 656, App
21	221	11.5	57	6	US-10-517-784-2	Sequence 2, Appli
22	218	11.3	327	7	US-11-181-234-3	Sequence 3, Appli
23	189.5	9.9	333	7	US-11-181-234-5	Sequence 5, Appli
24	189.5	9.9	333	7	US-11-181-234-7	Sequence 7, Appli
25	178.5	9.3	266	6	US-10-884-730-85	Sequence 85, Appli

QY 121 GCDMGPDGRLRGYHQHAYDGDYISLNEDLRSWTAADTVAQITQRFYAEYAEFFRTY 180
Db 124 GCDVSGDGRFLRGYQDAVDGKYIALNEDLRSWTAADMAAQITKRKWEAARAEQLRAY 183
QY 181 LEGECLELLRRYLENGLETLQADPPKAAHVAHPISDHEATLRCWALGFYPAEITLTWQ 240
Db 184 LEGECVGLRLYLENGKEITLQDTPKTHHPISDHEATLRCWALGFYPAEITLTWQ 243
QY 241 DGEEOQDTELVELTRPAGDGTQKAAVVPVSGEQRITCHVQHEGLPOPLILRWEQS-- 298
Db 244 DGEEOQDTELVELTRPAGDGTQKAAVVPVSGEQRITCHVQHEGLPEPLTLRWEKSC 303
QY 299 -----POPTIPV 307
Db 304 DKHTCPCPAPPELLG 319

RESULT 5

US-10-995-805-2
; Sequence 2, Application US/10995805
; Publication No. US20050287631A1
; GENERAL INFORMATION:
; APPLICANT: KROENKE, MARTIN
; APPLICANT: ZAVAZAVA, NICHOLAS
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS
; TITLE OF INVENTION: I AND II-LIKE MOLECULE (GSMHC I AND GSMHC II)
; FILE REFERENCE: IOWA:054US
; CURRENT APPLICATION NUMBER: US/10/995,805
; PRIOR FILING DATE: 2004-11-23
; PRIOR FILING DATE: 2004-11-23
; PRIOR FILING DATE: 2003-11-25
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 575
; TYPE: PRT
; ORGANISM: RAT
US-10-995-805-2

Query Match 58.6%; Score 1126.5; DB 6; Length 575;
Best Local Similarity 63.0%; Pred. No. 4.4e-82;
Matches 216; Conservative 39; Mismatches 83; Indels 5; Gaps 1;

QY 1 MAPRSLLLSALALTDTWAGSHLSRYSTAVSRPGRGEPRYIAVYVDVDFQFLRFSD 60
Db 4 MAPRTLLLLAALAPTQTRAGSHSMRYFDIAVSRPGLGEPRYISGVYVDHTFVRFS 63
QY 61 AAI PRMEPRPWEQEGPOYEWTTGYAKANAQTDORVALRNLRLRRYNOSEAGSHTLQGN 120
Db 64 AENRYEPAPWREGEPPDYWERETQKAGNQNTYRVSRLNRRYNOSEGGSHTIQRM 123
QY 121 GCDMGPDGRLRGYHQHAYDGDYISLNEDLRSWTAADTVAQITQRFYAEYAEFFRTY 180
Db 124 GCDVGTGSLRGYQDAVDGKYIALNEDLRSWTAADTVAQITQRFYAEYAEFFRTY 183
QY 181 LEGECLELLRRYLENGLETLQADPPKAAHVAHPISDHEATLRCWALGFYPAEITLTWQ 240
Db 184 LEGECVGLRLYLENGKEITLQDTPKTHHPISDHEATLRCWALGFYPAEITLTWQ 243
QY 241 DGEEOQDTELVELTRPAGDGTQKAAVVPVSGEQRITCHVQHEGLPOPLILRWE---- 296
Db 244 NGEEDITQDDELVELTRPAGDGTQKAAVVPVSGEQRITCHVQHEGLPEPLTLRWEPS 303
QY 297 -QSPQPTIPVIGVAGLVGLVAVVAVVAVVAVVAVVAVVAVVAVVAVVAVVAVVAVV 338
Db 304 TDSNMETVYVYVGLGAVIAAIIAAVIAAIIAAVIAAIIAAVIAAIIAAVIAAIIAA 346

RESULT 6

US-11-072-512-3648
; Sequence 3648, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:

; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOMYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3648
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3648

Query Match 51.2%; Score 985; DB 7; Length 284;
Best Local Similarity 81.2%; Pred. No. 3.5e-71;
Matches 182; Conservative 16; Mismatches 26; Indels 0; Gaps 0;

QY 112 GSHTLQGMGCDMGPDGRLRGYHQHAYDGDYISLNEDLRSWTAADTVAQITQRFYAE 171
Db 61 GSHTLQGMGCDMGPDGRLRGYHQHAYDGDYISLNEDLRSWTAADTVAQITQRFYAE 120
QY 172 EYAEFFRTYLEGECLELLRRYLENGLETLQADPPKAAHVAHPISDHEATLRCWALGFY 231
Db 121 NVAEQRAYLEGTCTVEWHLRYLENGKEMQLQADPPKTHHPVDFYEAATLRCWALGFY 180
QY 232 AEITLTWQDGEEOQDTELVELTRPAGDGTQKAAVVPVSGEQRITCHVQHEGLPOPL 291
Db 181 AEITLTWQDGEEOQDTELVELTRPAGDGTQKAAVVPVSGEQRITCHVQHEGLPEPL 240
QY 292 ILRWEQSPQPTIPVIGVAGLVGLVAVVAVVAVVAVVAVVAVVAVVAVVAVVAVVAVV 335
Db 241 MLRWKQSSLPITPINGVAGLVGLVAVVAVVAVVAVVAVVAVVAVVAVVAVVAVVAVV 284

RESULT 7

US-11-072-512-3304
; Sequence 3304, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO

```
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US/11/072,512
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3304
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3304

Query Match 32.5%; Score 625.5; DB 7; Length 150;
Best Local Similarity 80.1%; Pred. No. 6.7e-43;
Matches 121; Conservative 13; Mismatches 14; Indels 3; Gaps 1;

Qy 212 HPIPSDHEATRCWALGFVPABITLTWQDGEEOQDTDELVELVETRPAGDGTQKWAAVVVP 271
Db 3 RHVSVDYKATLRCWALGFVPVEITLTWQDGDQDQDMELVELVETRPAGDGNFQKWAAVVVP 62

Qy 272 SGEQRYTCHVQHEGLPOPLILRWQSQPQPTPIVIGIVAGLVGLVAVVTVGAVVAAMVRK 331
Db 63 SGEQRYMCHVQHEGLPEPLTLRWQSQPQPTPIVIGIVAGLVGLVAVVTVGAVVAVMCRK 122

Qy 332 KSSDRNRGSYQAAVTSQAGSGVSLTANKV 362
Db 123 NS--DRVSYSEASSNHAQGSVDVSLTACKV 150

RESULT 8
US-10-995-561-649
; Sequence 649, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 649
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-649

Query Match 27.0%; Score 519.5; DB 6; Length 348;
Best Local Similarity 35.4%; Pred. No. 5e-34;
Matches 124; Conservative 58; Mismatches 151; Indels 17; Gaps 10;

Qy 1 MAPRS---LILLISGALALTTWAGSHSLRYFSTAVSRPGEGEPRYTAVEYVDDTQFLR 56
Db 1 MGPRARPALLMLLQTLVAGRLRSHSLHYLFMGASEQDLGLSLFEALGVDDQLFVF 60

Qy 57 FDSAAIPRMEPREPWEQE--GPQYWEWTTGYAKANAQTDRAVALNLLRRYNSQASGHT 115
Db 61 YDHESR--RVEPRTPWVSSRISQWMLQSLKGDHMTVDFTWIMENHNSKE-SHT 117

Qy 116 LQGMGNCMDGPDGRLLRGYHQHAYDKDYISLNEDLRSWTAADTVAQITQRFYAEY-A 174
Db 118 LQVILGCEMQEDNS--TEGYWKYGYDGDHLEFCPTDLDWRAAEPRAPWTKLEWERHKIRA 176

Qy 175 EEFRTYLEGECLELRLRYLENGLETLQRAADPPKARVAHHPISDHEATRCWALGFYPABI 234
Db 177 RONRAYLERDCPAQLQQLLELGRGVLDQVPPVKVTHH-VTSSVTLTLCRALNYYPQNI 235

Qy 235 TLTWQDGEEOQDTDELVELVETR---PAGDGTQKWAAVVVPSPGEGEORYTCHVQHEGLPOPL 291
Db 236 TMKWLKD--KQPMDAKEFEKDVLPNGDGTQGMITLAVPFPEGEORYTCHVQHEGLDQPL 293

Qy 292 ILRWQSQPQPTPIVIGIVAGLVGLVAVVTVGAVVAAMVRKSSDRNRGSY 341
Db 294 IVIWEPSPSGTL-VIGVISGIAVFFVILFIFILRKQSGRGAMGHY 342

Query Match 27.0%; Score 519.5; DB 7; Length 348;
Best Local Similarity 35.4%; Pred. No. 5e-34;
Matches 124; Conservative 58; Mismatches 151; Indels 17; Gaps 10;

Qy 1 MAPRS---LILLISGALALTTWAGSHSLRYFSTAVSRPGEGEPRYTAVEYVDDTQFLR 56
Db 1 MGPRARPALLMLLQTLVAGRLRSHSLHYLFMGASEQDLGLSLFEALGVDDQLFVF 60

Qy 57 FDSAAIPRMEPREPWEQE--GPQYWEWTTGYAKANAQTDRAVALNLLRRYNSQASGHT 115
Db 61 YDHESR--RVEPRTPWVSSRISQWMLQSLKGDHMTVDFTWIMENHNSKE-SHT 117

Qy 116 LQGMGNCMDGPDGRLLRGYHQHAYDKDYISLNEDLRSWTAADTVAQITQRFYAEY-A 174
Db 118 LQVILGCEMQEDNS--TEGYWKYGYDGDHLEFCPTDLDWRAAEPRAPWTKLEWERHKIRA 176

Qy 175 EEFRTYLEGECLELRLRYLENGLETLQRAADPPKARVAHHPISDHEATRCWALGFYPABI 234
Db 177 RONRAYLERDCPAQLQQLLELGRGVLDQVPPVKVTHH-VTSSVTLTLCRALNYYPQNI 235

Qy 235 TLTWQDGEEOQDTDELVELVETR---PAGDGTQKWAAVVVPSPGEGEORYTCHVQHEGLPOPL 291
Db 236 TMKWLKD--KQPMDAKEFEKDVLPNGDGTQGMITLAVPFPEGEORYTCHVQHEGLDQPL 293

Qy 292 ILRWQSQPQPTPIVIGIVAGLVGLVAVVTVGAVVAAMVRKSSDRNRGSY 341
Db 294 IVIWEPSPSGTL-VIGVISGIAVFFVILFIFILRKQSGRGAMGHY 342

RESULT 10
US-10-995-561-652
; Sequence 652, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
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; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 652
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-652

Query Match      25.1%; Score 485; DB 6; Length 325;
Best Local Similarity 34.1%; Pred. No. 2.6e-31;
Matches 119; Conservative 59; Mismatches 133; Indels 38; Gaps 12;

QY 1 MAPR---SLLLSGALALTDWTAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRF 57
Db 1 MGRPARPALLLM-----LLOQAVL-----QGRLLPGYVDDQLFVY 38

QY 58 DSDAIPRMEPREPWYQEB-GPYWETWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTL 116
Db 39 DHESR--RVEPRTPWSSRISQMWLQSLKSGWHDHMTVDFTWIMENHNSKE-SHTL 95

QY 117 QGMGCDMGPDGRLRLRGYHQHAYDGYKDYISLNEDLRSWTAADTVAQITQRFYAEAY-AE 175
Db 96 QVILGCEMOEDNS-TEGYWKYGYDQDHLFCFDPDLDWRAABPRAWPTKLEWERHKIRAR 154

QY 176 EPRTYLEGECLLELLRRYLENGLETLQADPPKAHVAHHPISDHEATLRCWALGFYPAET 235
Db 155 QNAYLERDCPAQLQQLLELGRVLDQVPPPLVKVTHH-VTSVTLRCALNYYPQNI 213

QY 236 LTWQDGEQTDTELVEVTR---PAGDGTGFKWAAVVPVSGEQRYYTCHVQHEGLPQPLI 292
Db 214 MKWLKD--KQPMDAKEFEKDPVLPNGDGTGQWITLAVPPGEEQRYTCQVHPGLDQPLI 271

QY 293 LWEQSPQPTIPVIGVAGLVGAVTVGAVVAAMWRKSSDRNRGSY 341
Db 272 VIWEPSPSGTL-VIGVISGIAVFFVILFIFILRKQGRSGMGHY 319

RESULT 11
US-10-995-561-658
; Sequence 658, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 658
; LENGTH: 334
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-658

Query Match      25.1%; Score 482.5; DB 6; Length 334;
Best Local Similarity 34.0%; Pred. No. 4.2e-31;
Matches 119; Conservative 56; Mismatches 144; Indels 31; Gaps 10;

QY 1 MAPR---SLLLSGALALTDWTAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLR 56
Db 1 MGRPARPALLLMLLQAVLQGLRLSLRSHLYLFMGASEQDILGLSLFEALGVYDDQLFVP 60

QY 57 FSDAIPRMEPREPWYQEB-GPYWETWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHT 115
Db 61 YDHESR--RVEPRTPWSSRISQMWLQSLKSGWHDHMTVDFTWIMENHNSKE-SHT 117

; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 652
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-652

Query Match      25.1%; Score 481.5; DB 7; Length 295;
Best Local Similarity 36.5%; Pred. No. 4.3e-31;
Matches 110; Conservative 49; Mismatches 133; Indels 9; Gaps 7;

QY 1 MAPRSL-LLLSGALALTDWTAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRPS 59
Db 1 MYPVLLSLLLLGPAVPOENQDGRYSLTYYTGLSKHVEDVPFQALGSLNDLQFFRYS 60

QY 60 DAAIPRMEPREPWYQEBGQFYWETWTTGYAKANAQTDRLVALNLLRRYNOSEAGSHTLQGM 119
Db 61 KDR--KSQPMGLWRQVEGMEDWKQDSQKQKAREDFMETLKDIVEYVNDN-GSHVLQGR 117

QY 120 NGCDMGPDGRLRLRGYHQHAYDGYKDYISLNEDLRSWTAADTVAQITQRFYAEABE-YABEPR 178
Db 118 FGCEI-ENNRSSGAPFWKYTYDGDYIEFNKIPAWVPDPAAQITKQWAEFPVQRAK 176

QY 179 TYLEGECLLELLRRYLENGLETLQADPPKAHVAHHPISDHEATLRCWALGFYPAETITW 238
Db 177 AYLEECPCATLRKYLKYSKNILDRQDPPSVVVTSHQAPGEEKKGLKCLAYDFPGKIDVHM 236

QY 239 QRDGEQTDTEL-VETRPAGDGTGFKWAAVVPVSGEQRYYTCHVQHEGLPQPLIRWEQ 297
Db 237 TRAGE--VQEPGLRGDLVHLNGVTQSVWVAVPPQDTAPYSCHVQHSSLAQPLVVPWEA 294

QY 298 S 298
Db 295 S 295

RESULT 13
US-11-072-512-1978
; Sequence 1978, Application US/11072512
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OM protein - protein search, using sw model

Run on: April 7, 2006, 12:39:36 ; Search time 27.0458 Seconds
(without alignments)
837.583 Million cell updates/sec

Title: US-09-819-371-5
Perfect score: 1496
Sequence: 1 GSHSLRYFSTAVSRGRGCEP.....ORYTCHVQHEGLPQPLILRW 274

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgm2_6/ptodata/1/iaa/5 COMB.pcp.*
2: /cgm2_6/ptodata/1/iaa/6 COMB.pcp.*
3: /cgm2_6/ptodata/1/iaa/H COMB.pcp.*
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5: /cgm2_6/ptodata/1/iaa/RE COMB.pcp.*
6: /cgm2_6/ptodata/1/iaa/backfiles1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1491	99.7	362	2	US-09-949-016-8242
2	1248	83.4	274	1	US-08-222-851-1
3	1184	79.1	338	2	US-09-949-016-6176
4	1184	79.1	339	2	US-09-949-016-8636
5	1154	77.1	365	1	US-08-484-905-100
6	1154	77.1	365	2	US-08-481-985B-100
7	1154	77.1	365	2	US-08-652-265-23
8	1154	77.1	365	2	US-08-834-497A-23
9	1154	77.1	365	2	US-08-370-476-100
10	1154	77.1	365	2	US-09-503-444A-23
11	1153	77.1	341	2	US-08-890-719-38
12	1151	76.9	365	1	US-08-484-905-99
13	1151	76.9	365	1	US-08-484-905-104
14	1151	76.9	365	2	US-08-481-985B-99
15	1151	76.9	365	2	US-08-481-985B-104
16	1151	76.9	365	2	US-08-370-476-99
17	1151	76.9	365	2	US-08-370-476-104
18	1150	76.9	274	1	US-08-484-905-107
19	1150	76.9	274	1	US-08-484-905-108
20	1150	76.9	274	2	US-08-481-985B-107
21	1150	76.9	274	2	US-08-481-985B-108
22	1150	76.9	274	2	US-08-370-476-107
23	1150	76.9	274	2	US-08-370-476-108
24	1147	76.7	365	1	US-08-484-905-97
25	1147	76.7	365	1	US-08-484-905-98
26	1147	76.7	365	2	US-08-481-985B-97
27	1147	76.7	365	2	US-08-481-985B-98

28	1147	76.7	365	2	US-08-370-476-97	Sequence 97, Appl
29	1147	76.7	365	2	US-08-370-476-98	Sequence 98, Appl
30	1146	76.6	274	1	US-08-484-905-105	Sequence 105, App
31	1146	76.6	274	2	US-08-481-985B-105	Sequence 105, App
32	1146	76.6	274	2	US-08-370-476-105	Sequence 105, App
33	1142	76.3	274	1	US-08-484-905-106	Sequence 106, App
34	1142	76.3	274	2	US-08-481-985B-106	Sequence 106, App
35	1142	76.3	274	2	US-08-370-476-106	Sequence 106, App
36	1142	76.3	365	1	US-08-484-905-103	Sequence 103, App
37	1142	76.3	365	2	US-08-481-985B-103	Sequence 103, App
38	1142	76.3	365	2	US-08-370-476-103	Sequence 103, App
39	1141	76.3	365	1	US-08-484-905-102	Sequence 102, App
40	1141	76.3	365	2	US-08-481-985B-102	Sequence 102, App
41	1141	76.3	365	2	US-08-370-476-102	Sequence 102, App
42	1133	75.7	365	1	US-08-484-905-101	Sequence 101, App
43	1133	75.7	365	2	US-08-481-985B-101	Sequence 101, App
44	1133	75.7	365	2	US-08-370-476-101	Sequence 101, App
45	1097	73.3	358	2	US-09-949-016-6620	Sequence 6620, Ap

ALIGNMENTS

RESULT 1

US-09-949-016-8242
; Sequence 8242, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8242
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8242

Query Match 99.7%; Score 1491; DB 2; Length 362;

Best Local Similarity 99.6%; Pred. No. 1.9e-137;

Matches 273; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	GSHSLRYFSTAVSRGRGCEPYIAVEYDDTQFLRFSDAAIPRMEPRPWEQGPQYW	60
Db	22	GSHSLRYFSTAVSRGRGCEPYIAVEYDDTQFLRFSDAAIPRMEPRPWEQGPQYW	81
Qy	61	EWTGYAKANAQTDRAVALNLLRRYNSGASHTLQGNCGDMGPDGRLRGYHOHYDG	120
Db	82	EWTGYAKANAQTDRAVALNLLRRYNSGASHTLQGNCGDMGPDGRLRGYHOHYDG	141
Qy	121	KDYISLNEEDLSRWTAADTVAQITQRFYEAEBYAEFRYTLGEGCLELRLRYLNGKETLQ	180
Db	142	KDYISLNEEDLSRWTAADTVAQITQRFYEAEBYAEFRYTLGEGCLELRLRYLNGKETLQ	201
Qy	181	RADPPKAHVAHPISDHEATLRCWALGFYPAITLTWQDGEQOTDELVETPAGDGT	240
Db	202	RADPPKAHVAHPISDHEATLRCWALGFYPAITLTWQDGEQOTDELVETPAGDGT	261
Qy	241	FKQWAAVVPSPGSEQRYSYTCVQHEGLPQPLILRW	274
Db	262	FKQWAAVVPSPGSEQRYSYTCVQHEGLPQPLILRW	295

RESULT 2
US-08-222-851-1
; Sequence 1, Application US/08222851
; Patent No. 5723128
; GENERAL INFORMATION:
; APPLICANT: CLAYBERGER, CAROL A.
; APPLICANT: KRENSKY, ALAN M.
; APPLICANT: PARHAM, PETER
; TITLE OF INVENTION: CYTOTOXIC T-CELL LYMPHOCYTE ("CTL")
; TITLE OF INVENTION: ACTIVITY REGULATION BY CLASS I MHC PEPTIDES
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 PENNSYLVANIA AVENUE, NW, STE 5500
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,851
; FILING DATE: 05-APR-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: MILLMAN, ROBERT A.
; REGISTRATION NUMBER: 36,217
; REFERENCE/DOCKET NUMBER: 28600-20200.22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 494-0792
; TELEX: 90-4030 MRSNFOERSWSH
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 274 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-222-851-1

Query Match 83.4%; Score 1248; DB 1; Length 274;
Best Local Similarity 82.8%; Pred. No. 7.5e-114;
Matches 227; Conservative 17; Mismatches 30; Indels 0; Gaps 0;
Qy 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPRPWPVEQEGPOYW 60
Db 1 GSHSNRYFTSVSRPGRGEPYIAVGYYDDTQFVRFSDSDASPRMEPRAPWIEQEGPEYW 60
Qy 61 EWTGYAKANAQTRVALNRLRRYNOSEAGSHTLQGMNGCDMGDPGDRLLRGYHQHAYDG 120
Db 61 DRETQIVRAQQTREDLRLTGRYNOSEAGSHTTQRMVCGDVGDPGDRLLRGYHQYAYDG 120
Qy 121 KDYISLNEDLSRWTAADTVAQITQRFYAEAEYAEFRYLEGCELELLRRYLENGKETLQ 180
Db 121 KDYLALNEDLSRWTAADTVAQITQKWEAARVAEQRAYLEGTVCVWHLRYLENGKETLQ 180
Qy 181 RADPPKAVHHPISDHEATLRCWALGFYPAEITLTWQDGEEOQTDTVELVETRPAGDGT 240
Db 181 RADPPKTHVTHHPISDHEATLRCWALGFYPAEITLTWQDGEDQTDVELVETRPAGDGT 240
Qy 241 FQKWAADVVPSEGEQRYTCHVQHEGLPQPLILRW 274
Db 241 FQKWAADVVPSEGEQRYTCHVQHEGLPKPLILRW 274

RESULT 3
US-09-949-016-6176
; Sequence 6176, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USBS THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6176
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6176

Query Match 79.1%; Score 1184; DB 2; Length 338;
Best Local Similarity 78.8%; Pred. No. 1.8e-107;
Matches 216; Conservative 22; Mismatches 36; Indels 0; Gaps 0;
Qy 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAAIPRMEPRPWPVEQEGPOYW 60
Db 25 GSHSNRYFTSAVSRPGRGEPYIAVGYYDDTQFVRFSDSDASPRMEPRAPWIEQEGPEYW 84
Qy 61 EWTGYAKANAQTRVALNRLRRYNOSEAGSHTLQGMNGCDMGDPGDRLLRGYHQHAYDG 120
Db 85 EETRTNKAAQTDRLMNLQTLGRYNOSEASHTLQWNGDLSGDRLLRGYEQYAYDG 144
Qy 121 KDYISLNEDLSRWTAADTVAQITQRFYAEAEYAEFRYLEGCELELLRRYLENGKETLQ 180
Db 145 KDYLALNEDLSRWTAADTAAQISKRKEAANVAEQRAYLEGTVCVWHLRYLENGKEMLQ 204
Qy 181 RADPPKAVHHPISDHEATLRCWALGFYPAEITLTWQDGEEOQTDTVELVETRPAGDGT 240
Db 205 RADPPKTHVTHHPVDFEATLRCWALGFYPAEITLTWQDGEDQTDVELVETRPAGDGT 264
Qy 241 FQKWAADVVPSEGEQRYTCHVQHEGLPQPLILRW 274
Db 265 FQKWAADVVPSEGEQRYTCHVQHEGLPEPLILRW 298

RESULT 4
US-09-949-016-8636
; Sequence 8636, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USBS THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8636
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8636

Query Match 79.1%; Score 1184; DB 2; Length 339;
Best Local Similarity 78.8%; Pred. No. 1.8e-107;
Matches 216; Conservative 22; Mismatches 36; Indels 0; Gaps 0;

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; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0056-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..365
; OTHER INFORMATION: /note= "Human Major Histocompatibility
; OTHER INFORMATION: Class I (MHC) protein"
US-08-834-497A-23

Query Match 77.1%; Score 1154; DB 2; Length 365;
Best Local Similarity 77.0%; Pred. No. 1.7e-104;
Matches 211; Conservative 21; Mismatches 42; Indels 0; Gaps 0;

QY 1 GSHSLRYSTAVSRGEGPRVIAVEYVDDTQFLRFDSDAAIPRMEPRPWEQSGPQYW 60
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
25 GSHSMRYFTSVSRGEGPRVIAVEYVDDTQFLRFDSDAAISQRMEPRAPWIEQSGPEYW 84
QY 61 EWTGKAKAQTDRVALNRLRRYNQSEAGSHTLQGMNGCDMGDPGRLLRGYHAYDG 120
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
85 DEETKRVKHAHQTHRVLDLTLRGYNNQSEAGSHTVQRMFGCDVGSDFLRGYHAYDG 144
QY 121 KYISLNEDLRSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRYLENGKETLQ 180
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
145 KYIALKEDLRSWTAADMAAQTTHKWEAAHVAEQRLAYLEGTCTVEWLRRLYLENGKETLQ 204
QY 181 RADPKAHVAHPISDHEATLRCWALGFYPAEITLITWQDGEQTDTELVTETPAGDGT 240
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
205 RTDAPKTHMTHAVSDHEATLRCWALSFPASITLITWQDGEQTDTELVTETPAGDGT 264
QY 241 FQKWAAVVPSGEGORYTCHVQHEGLPKPLILRW 274
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
265 FQKWAAVVPSGEGORYTCHVQHEGLPKPLILRW 298

RESULT 9
US-08-370-476-100
; Sequence 100, Application US/08370476
; Patent No. 6153408
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; APPLICANT: Lone, Yu-Chun
; APPLICANT: Ojcius, David
; APPLICANT: Casrouge, Armanda
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/08/370,476
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/117,575
; FILING DATE: 07-SEP-1993
; APPLICATION NUMBER: US 08/072,787
; FILING DATE: 06-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05243.0001-01000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 100:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-370-476-100

Query Match 77.1%; Score 1154; DB 2; Length 365;
Best Local Similarity 76.6%; Pred. No. 1.7e-104;
Matches 210; Conservative 22; Mismatches 42; Indels 0; Gaps 0;

QY 1 GSHSLRYSTAVSRGEGPRVIAVEYVDDTQFLRFDSDAAIPRMEPRPWEQSGPQYW 60
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
25 GSHSMRYFTSVSRGEGPRVIAVEYVDDTQFLRFDSDAAISQRMEPRAPWIEQSGPEYW 84
QY 61 EWTGKAKAQTDRVALNRLRRYNQSEAGSHTLQGMNGCDMGDPGRLLRGYHAYDG 120
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
85 DEETKRVKHAHQTHRVLDLTLRGYNNQSEAGSHTVQRMFGCDVGSDFLRGYHAYDG 144
QY 121 KYISLNEDLRSWTAADTVAQITQRFYAEAEYAEFRYLEGECELELLRRYLENGKETLQ 180
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
145 KYIALKEDLRSWTAADMAAQTTHKWEAAHVAEQRLAYLEGTCTVEWLRRLYLENGKETLQ 204
QY 181 RADPKAHVAHPISDHEATLRCWALGFYPAEITLITWQDGEQTDTELVTETPAGDGT 240
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
205 RTDAPKTHMTHAVSDHEATLRCWALSFPASITLITWQDGEQTDTELVTETPAGDGT 264
QY 241 FQKWAAVVPSGEGORYTCHVQHEGLPKPLILRW 274
Db |||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
265 FQKWAAVVPSGEGORYTCHVQHEGLPKPLILRW 298

RESULT 10
US-09-503-444A-23
; Sequence 23, Application US/09503444A
; Patent No. 6228594
; GENERAL INFORMATION:
; APPLICANT: Thomas, Winston J.
; APPLICANT: Drayna, Dennis T.
; APPLICANT: Feder, John N.
; APPLICANT: Gnirke, Andreas
; APPLICANT: Ruddy, David
; APPLICANT: Teuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Hereditary Hemochromatosis Gene
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
```

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; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect Version 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/503,444A
; FILING DATE: 14-Feb-2000
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/652,265
; FILING DATE: 23-May-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/632,673
; FILING DATE: 16-Apr-1996
; APPLICATION DATA:
; APPLICATION NUMBER: 08/630,912
; FILING DATE: 04-Apr-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0088-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..365
; OTHER INFORMATION: /note="Human Major Histocompatibility
; OTHER INFORMATION: Class I (MHC) protein"
US-09-503-444A-23

Query Match 77.1%; Score 1154; DB 2; Length 365;
Best Local Similarity 77.0%; Pred. No. 1.7e-104;
Matches 211; Conservative 21; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFDSDAAIPRMEPREPWHVEQGPQYW 60
Db 25 GSHSMRYEFTSVSRPGRGEPRIYAVGYVDDTQVRFDSDAASQRMPEPRAPWIEQGPYW 84
Qy 61 EWTGYAKANAQTDRLVALRNLRLRYNQSEAGSHTLQGMNGCDMGPDGRLRLRYHQHAYDG 120
Db 85 DGETRKVKAKHSQTHRVLDGLTGLRGYNNQSEAGSHTVQRMYGCDVSDWRFGLAGYHQYAYDG 144
Qy 121 KDYISLNEEDLSRWTAADTVQAQITQFYBAEYAEFFTYLGECELELLRRYLENGKETLQ 180
Db 145 KDYIALKEDLSRWTAADMAAQTTKHWEAAHVAEQRLAYLEGTVCVEWLRRLYLENGKETLQ 204
Qy 181 RADPPKAVHAPISDHEATLRCWALGFYPAEITLTWQDGEEOQTDTLVELTRPAGDGT 240
Db 205 RTDAPKTHMTHAVSDHEATLRCWALSFYPAEITLTWQDGEDQTDTELVELTRPAGDGT 264
Qy 241 FQKWAADVVPSEGEQRYTCHVQHEGLPQPLILRW 274
Db 265 FQKWAADVVPSEGEQRYTCHVQHEGLPKPLILRW 298

RESULT 11
US-08-890-719-38
; Sequence 38, Application US/08890719A
; Patent No. 6075125
; GENERAL INFORMATION:
; APPLICANT: Bacon, Larry D

```

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; APPLICANT: Hunt, Henry D
; APPLICANT: Fulton, Janet
; TITLE OF INVENTION: Production of Antisera Specific to Major
; FILE REFERENCE: Dkt 0064.96 - Larry D. Bacon et al.
; CURRENT APPLICATION NUMBER: US/08/890,719A
; CURRENT FILING DATE: 1997-07-09
; EARLIER APPLICATION NUMBER: 60/021,685
; EARLIER FILING DATE: 1996-07-10
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 341
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-890-719-38

Query Match 77.1%; Score 1153; DB 2; Length 341;
Best Local Similarity 76.6%; Pred. No. 2e-104;
Matches 210; Conservative 22; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFDSDAAIPRMEPREPWHVEQGPQYW 60
Db 1 GSHSMRYEFTSVSRPGRGEPRIYAVGYVDDTQVRFDSDAASQRMPEPRAPWIEQGPYW 60
Qy 61 EWTGYAKANAQTDRLVALRNLRLRYNQSEAGSHTLQGMNGCDMGPDGRLRLRYHQHAYDG 120
Db 61 DGETRKVKAKHSQTHRVLDGLTGLRGYNNQSEAGSHTVQRMYGCDVSDWRFGLAGYHQYAYDG 120
Qy 121 KDYISLNEEDLSRWTAADTVQAQITQFYBAEYAEFFTYLGECELELLRRYLENGKETLQ 180
Db 121 KDYIALKEDLSRWTAADMAAQTTKHWEAAHVAEQRLAYLEGTVCVEWLRRLYLENGKETLQ 180
Qy 181 RADPPKAVHAPISDHEATLRCWALGFYPAEITLTWQDGEEOQTDTLVELTRPAGDGT 240
Db 181 RTDAPKTHMTHAVSDHEATLRCWALSFYPAEITLTWQDGEDQTDTELVELTRPAGDGT 240
Qy 241 FQKWAADVVPSEGEQRYTCHVQHEGLPQPLILRW 274
Db 241 FQKWAADVVPSEGEQRYTCHVQHEGLPKPLILRW 274

RESULT 12
US-08-484-905-99
; Sequence 99, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
; TITLE OF INVENTION: Determinant
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991

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; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 99:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-99

Query Match 76.9%; Score 1151; DB 1; Length 365;
Best Local Similarity 76.3%; Pred. No. 3.4e-104;
Matches 209; Conservative 23; Mismatches 42; Indels 0; Gaps 0;

QY 1 GSHSLRYSTAVSRGCGEPRIYVYDDTQFLRFDSDAAIPRMEPRPWPVEQSGPQYW 60
DB 25 GSHSMRYPTSVSRGCGEPRIYVYDDTQFLRFDSDAAIPRMEPRPWPVEQSGPQYW 84
QY 61 EWTTCYAKANAQTDVALNLRNRYNQSEAGSHTLQGMNGCDMGDPGRLRLRYHQAIDG 120
DB 85 DEETKRVKVAHSQTHRVLDLSTLGRYNGQSEAGSHTVORMYGCVDGSGRFLRGYHQYADG 144
QY 121 KDYISLNBLSWTAADTAQITQRYFAEAEYAEFRYLYEGCELELLRRYLENGKETLQ 180
DB 145 KDYIALKEDLSWTAADTAQITQRYFAEAEYAEFRYLYEGCELELLRRYLENGKETLQ 204
QY 181 RADPPKVAHVHPISDHEATLRCWALGFYPAEITLTWQDGEEOQDTLVELTRPAGDGT 240
DB 205 RTDAPKTHMTHAVSDHEATLRCWALSFPYPAEITLTWQDGEEOQDTLVELTRPAGDGT 264
QY 241 FQKAAVVPVSGEORYTCHVOHGLPOPLILRW 274
DB 265 FQKAAVVPVSGEORYTCHVOHGLPKPLTLFW 298

RESULT 13
US-08-484-905-104
; Sequence 104, Application US/08484905
; Patent No. 5976551
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: An Altered Major Histocompatibility
; TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
; TITLE OF INVENTION: Determinant
; NUMBER OF SEQUENCES: 127
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,905
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 530
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 03495.0106-03000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-104

Query Match 76.9%; Score 1151; DB 1; Length 365;
Best Local Similarity 76.3%; Pred. No. 3.4e-104;
Matches 209; Conservative 22; Mismatches 43; Indels 0; Gaps 0;

QY 1 GSHSLRYSTAVSRGCGEPRIYVYDDTQFLRFDSDAAIPRMEPRPWPVEQSGPQYW 60
DB 25 GSHSMRYPTSVSRGCGEPRIYVYDDTQFLRFDSDAAIPRMEPRPWPVEQSGPQYW 84
QY 61 EWTTCYAKANAQTDVALNLRNRYNQSEAGSHTLQGMNGCDMGDPGRLRLRYHQAIDG 120
DB 85 DFNTENVKAQSQTDVLDLSTLGRYNGQSEAGSHTIQMYGCDVSGDGRFLRGYRQADYG 144
QY 121 KDYISLNBLSWTAADTAQITQRYFAEAEYAEFRYLYEGCELELLRRYLENGKETLQ 180
DB 145 KDYIALKEDLSWTAADTAQITQRYFAEAEYAEFRYLYEGCELELLRRYLENGKETLQ 204
QY 181 RADPPKVAHVHPISDHEATLRCWALGFYPAEITLTWQDGEEOQDTLVELTRPAGDGT 240
DB 205 RTDAPKTHMTHAVSDHEATLRCWALSFPYPAEITLTWQDGEEOQDTLVELTRPAGDGT 264
QY 241 FQKAAVVPVSGEORYTCHVOHGLPOPLILRW 274
DB 265 FQKAAVVPVSGEORYTCHVOHGLPKPLTLFW 298

RESULT 14
US-08-481-985B-99
; Sequence 99, Application US/08481985B
; Patent No. 6011146
; GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,985B
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;
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 99:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-481-985B-99

Query Match 76.9%; Score 1151; DB 2; Length 365;
Best Local Similarity 76.3%; Pred. No. 3.4e-104;
Matches 209; Conservative 23; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRIYIAVEYVDDTQFLRFSDAAIPRMEPRPWPVEQGPQYW 60
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
25 GSHSMRYFTTSVSRPGRGEPRIYIAVGYYDDTQFVRFSDAAASQRMPEPRAPWIEQGPYW 84
Qy ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
61 EWTGYAKANAQTRVALNLLRRYNSQSGSHTLQGMNGCDMGPDGRLRLRGYHQHAYDG 120
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
85 DEETKVKVAHQTRVDLSTLRGYNSQSGSHTVQRMVCGDVGSDGRLRGYHQHAYDG 144
Qy 121 KDYISLNEDLRSWTAADTVAQITQRFYEAEBYAEFEFTYLEGECLELLRLRYLENGKETLQ 180
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
145 KDYLKEDLRSWTAADMAAQTTKHWEAAHVAEQWRAYLEGTCVEWLRLRYLENGKETLQ 204
Qy 181 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQDGESEOTQDTLVELVETRPAGDGT 240
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
205 RTDAPKTHMTHAVSDHEATLRCWALSFPYPAEITLTWQDGEDQTDQDTLVELVETRPAGDGT 264
Qy 241 FQKWAADVVPSEGEQRYTCHVQHEGLPQPLILRW 274
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
265 FQKWAADVVPSEGEQRYTCHVQHEGLPKPLPLPW 298

RESULT 15
US-08-481-985B-104
; Sequence 104, Application US/08481985B
; Patent No. 601146
;
GENERAL INFORMATION:
; APPLICANT: Mottez, Estelle
; APPLICANT: Abastado, Jean-Pierre
; APPLICANT: Kourilsky, Philippe
; TITLE OF INVENTION: Altered Major Histocompatibility Complex
; TITLE OF INVENTION:
;
NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; ZIP: 20005-3315
;
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,985B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/801,818
; FILING DATE: 05-DEC-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/792,473
; FILING DATE: 15-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0106-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-481-985B-104

Query Match 76.9%; Score 1151; DB 2; Length 365;
Best Local Similarity 76.3%; Pred. No. 3.4e-104;
Matches 209; Conservative 22; Mismatches 43; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRIYIAVEYVDDTQFLRFSDAAIPRMEPRPWPVEQGPQYW 60
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
25 GSHSMRYFTTSVSRPGRGEPRIYIAVGYYDDTQFVRFSDAAASQRMPEPRAPWIEQGPYW 84
Qy 61 EWTGYAKANAQTRVALNLLRRYNSQSGSHTLQGMNGCDMGPDGRLRLRGYHQHAYDG 120
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
85 DFNTRNVKAQSDTRVDLSTLRGYNSQSGSHTIQMVGCDVGSDGRLRGYHQDADYG 144
Qy 121 KDYISLNEDLRSWTAADTVAQITQRFYEAEBYAEFEFTYLEGECLELLRLRYLENGKETLQ 180
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
145 KDYLKEDLRSWTAADMAAQTTKHWEAAHVAEQWRAYLEGTCVEWLRLRYLENGKETLQ 204
Qy 181 RADPPKAHVAHPISDHEATLRCWALGFYPAEITLTWQDGESEOTQDTLVELVETRPAGDGT 240
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
205 RTDAPKTHMTHAVSDHEATLRCWALSFPYPAEITLTWQDGEDQTDQDTLVELVETRPAGDGT 264
Qy 241 FQKWAADVVPSEGEQRYTCHVQHEGLPQPLILRW 274
Db ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
265 FQKWAADVVPSEGEQRYTCHVQHEGLPKPLPLPW 298

Search completed: April 7, 2006, 12:41:55
Job time : 28.0458 secs
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Result No.	Score	Query Match	Length	DB	ID	Description	
1	1184	79.1	338	6	US-10-821-234-1565	Sequence 1565, Ap	
2	1153	77.1	530	6	US-10-995-805-4	Sequence 4, Appli	
3	1150	76.9	365	6	US-10-821-234-1575	Sequence 1575, Ap	
4	1097	73.3	358	6	US-10-821-234-1563	Sequence 1563, Ap	
5	1095	68.5	575	6	US-10-995-805-2	Sequence 2, Appli	
6	832	55.6	284	7	US-11-072-513-3648	Sequence 3648, Ap	
7	472.5	31.6	209	7	US-11-072-513-1978	Sequence 1978, Ap	
8	468	31.3	295	7	US-11-177-506-52	Sequence 52, Appl	
9	456	30.5	348	6	US-10-995-561-649	Sequence 649, App	
10	456	30.5	348	7	US-11-252-452-2	Sequence 2, Appli	
11	433.5	29.0	325	6	US-10-995-561-652	Sequence 652, App	
12	419	28.0	334	6	US-10-995-561-658	Sequence 658, App	
13	416	27.8	150	7	US-11-072-513-3304	Sequence 3304, Ap	
14	370	24.7	260	6	US-10-995-561-651	Sequence 651, App	
15	359	24.0	280	6	US-10-995-561-655	Sequence 655, App	
16	333	22.3	246	6	US-10-995-561-657	Sequence 657, App	
17	313	20.9	365	6	US-10-521-053-4	Sequence 4, Appli	
18	297	19.9	256	6	US-10-995-561-654	Sequence 654, App	
19	272	18.2	242	6	US-10-995-561-648	Sequence 648, App	
20	239	16.0	168	6	US-10-995-561-656	Sequence 656, App	
21	205	13.7	327	7	US-11-181-234-3	Sequence 3, Appli	
22	187.5	12.5	333	7	US-11-181-234-5	Sequence 5, Appli	
23	187.5	12.5	333	7	US-11-181-234-7	Sequence 7, Appli	
24	166	11.1	237	6	US-10-884-730-355	Sequence 355, App	
25	163	10.9	266	6	US-10-884-730-85	Sequence 85, Appl	

RESULT 6
US-11-072-512-3648
; Sequence 3648, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25

```

RESULT 7
US-11-072-512-1978
; Sequence 1978, Application US/11072512
; Publication No. US2006029945A1
GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1978
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-1978

```

Query Match	31.6%	Score 472.5	DB 7	Length 209
Best Local Similarity	47.3%	Pred. No. 6.5e-33		
Matches 105: Conservative	15: Mismatches	51: Indels	51: Gaps	4:

QY 121 KOYISLNEDLSRWTAADTVAQITQRFYABEY-ABEFRTYLEGECLELLRRLYENGKETL 179
Db 143 QDHLEFCPTLDWRAAEPRAPWPTKLEWERHKIRARONRAYLERDCPAQLQQLLELGRGVL 202
QY 180 QRADPPKAAHVAHPISDHEATLRCWALGFYPABITLITWQDGEQTDTELVEVTR---PA 236
Db 203 DQOQVPLVKVTHH-VTSSVTLRCALNYYPQNTWKWKD--KQPMDAKEFEKDVLEN 259
QY 237 GDTGTFQKAAVVPVSGEQRVTCHVQHEGLPOPLILRW 274
Db 260 GDTGYQGWITLAVPPGEEQRVTCQVEHPGLDQPLIVW 297

RESULT 11

US-10-995-561-652
; Sequence 652, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 561
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 652
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-652

Query Match 29.0%; Score 433.5; DB 6; Length 325;
Best Local Similarity 37.5%; Pred. No. 2.2e-29;
Matches 103; Conservative 42; Mismatches 113; Indels 17; Gaps 9;

QY 5 LRYFTAVSRPGRGPRYIAVYDDTQFLRPSDAAIPRMEPRPWEQE-GPOYWEWT 63
Db 12 LMLLQTAVL-----QRLPLGLYVDDQLFVFDHESR--RVEPRTPWVSSRISQWMLQL 64
QY 64 TGYAKANAQTDRLVALNLLRYNQSEAGSHTLQGMNGCDMPDGLLRGGRVHAYDQY 123
Db 65 SQSLKGDHMTVDFTWNTMENHNSKE-SHTLQVILGCEMQEDNS--TEGYWKYGYDGDH 122
QY 124 ISLNEDLSRWTAADTVAQITQRFYABEY-ABEFRTYLEGECLELLRRLYENGKETLQRA 182
Db 123 LEFCPTLDWRAAEPRAPWPTKLEWERHKIRARONRAYLERDCPAQLQQLLELGRGVLQDQ 182
QY 183 DPPKAAHVAHPISDHEATLRCWALGFYPABITLITWQDGEQTDTELVEVTR---PAGDG 239
Db 183 VPPLVKVTHH-VTSSVTLRCALNYYPQNTWKWKD--KQPMDAKEFEKDVLPNGDG 239
QY 240 TFOKAAVVPVSGEQRVTCHVQHEGLPOPLILRW 274
Db 240 TYQGWITLAVPPGEEQRVTCQVEHPGLDQPLIVW 274

RESULT 12

US-10-995-561-658
; Sequence 658, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 561
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 658

; LENGTH: 334
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-658

Query Match 28.0%; Score 419; DB 6; Length 334;
Best Local Similarity 36.3%; Pred. No. 3.8e-28;
Matches 101; Conservative 39; Mismatches 112; Indels 26; Gaps 8;

QY 2 SLSLAFSTAVSRPGRGPRYIAVYDDTQFLRPSDAAIPRMEPRPWEQE-GPOYW 60
Db 27 SLSLHLYFMGASEQDLGLSLFEALGYVDDQLFVFDHESR--RVEPRTPWVSSRISQW 84
QY 61 EWTGTYAKANAQTDRLVALNLLRYNQSEAGSHTLQGMNGCDMPDGLLRGGRVHAYDQ 120
Db 85 LQLSQSLKGDHMTVDFTWNTMENHNSKE-SHTLQVILGCEMQEDNS--TEGYWKYGYDQ 142
QY 121 KOYISLNEDLSRWTAADTVAQITQRFYABEY-ABEFRTYLEGECLELLRRLYENGKETL 179
Db 143 QDHLEFCPTLDWRAAEPRAPWPTKLEWERHKIRARONRAYLERDCPAQLQQLLELGRGVL 202
QY 180 QRADPPKAAHVAHPISDHEATLRCWALGFYPABITLITWQDGEQTDTELVEVTR---PA 236
Db 203 DQ-----QVTLRCALNYYPQNTWKWKD--KQPMDAKEFEKDVLEN 245
QY 237 GDTGTFQKAAVVPVSGEQRVTCHVQHEGLPOPLILRW 274
Db 246 GDTGYQGWITLAVPPGEEQRVTCQVEHPGLDQPLIVW 283

RESULT 13

US-11-072-512-3304
; Sequence 3304, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072.512
; CURRENT FILING DATE: 2005-03-07
; PRIOR FILING DATE: 2005-03-07
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3304
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3304

Query Match 27.8%; Score 416; DB 7; Length 150;
Best Local Similarity 85.7%; Pred. No. 2.7e-28;
Matches 72; Conservative 6; Mismatches 6; Indels 0; Gaps 0;

```
Qy 191 HPTSDHEATLRCWALGFYPAEITLTWQDGEQTDTELVELTRPAGDGTQKWAAVVVP 250
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 3 HHSVSDYKATLRCWALGFYPEITLTWQDGEDQTDQNMELVELTRPAGDGNFQKWAAVVVP 62
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 251 SGEORVYCHVQHEGLPOPLILRW 274
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 63 SGEORVYCHVQHEGLPKPLILRW 86
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

RESULT 14

```
US-10-995-561-651
; Sequence 651, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 651
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-651
```

```
Query Match 24.7%; Score 370; DB 6; Length 260;
Best Local Similarity 42.2%; Pred. No. 4e-24;
Matches 79; Conservative 29; Mismatches 71; Indels 8; Gaps 5;

Qy 92 SHTLQGMGCDMPDGRLLRGVHOHAYDGDYISLNEDLRSWTAADTVAQITQRFYAE 151
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 27 SHTLQVILGCEMQEDNS-TEGWKYGVDGQHLEFCPTLDWRAABPRAWPTKLEWERHK 85
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Qy 152 Y-AEEFRTYLEGECLELLRRYLENGKETLQADPPKHAHVAHPISDHEATLRCWALGFYP 210
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 86 IRARQNRAYLERDCPAQLQELLELGRGVLDQQVPLVKVTHH-VTSSVTLRCRALNYP 144
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Qy 211 AEITLTWQDGEQTDTELVELTR---PAGDGTQKWAAVVVPSEGEORYTCHVQHEGLP 267
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 145 QNITMKWLKD--KQPMDAKEFPKDVLENGDGTGQWITLAVPPGEEQRYTCQVEHPGLD 202
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Qy 268 QPLILRW 274
|||||:
Db 203 QPLIVIW 209
|||||:
```

RESULT 15

```
US-10-995-561-655
; Sequence 655, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 655
; LENGTH: 280
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-655
```

```
Query Match 24.0%; Score 359; DB 6; Length 280;
Best Local Similarity 35.0%; Pred. No. 3.7e-23;
Matches 89; Conservative 39; Mismatches 114; Indels 12; Gaps 8;
```

```
Qy 2 SHSLRYFSTAVSRPRGEPRIYIAVEYVDDTQFLRFDSDAAIPRMEPRPWPWEQE-GPOYW 60
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 27 SHSLHYLFMGASEQDILGLSLFEALGYVDDQLFVFDHESR--RVEPRTPWVSSRISSQMW 84
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Qy 61 EWTGYAKANAQTRVALRNLRRYNOSEAGSHTLQGMNGCDMPDGRLLRGYHOHAYDG 120
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 85 LQLSQSLKGMWDMFTVDFTIMENHNHSKE-SHTLQVILGCEMQEDNS-TEGYWKYGYDG 142
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Qy 121 KDYISLNEDLRSWTAADTVAQITQRFYAEY-AEEFRTYLEGECLELLRRYLENGKETL 179
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 143 QDHLFCPTLDWRAABPRAWPTKLEWERHKIRARQNRAYLERDCPAQLQELLELGRVIL 202
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Qy 180 QRADPPKHAHVAHPISDHEATLRCWALGFYPAEITLTWQDGEQTDTELVELTR---PA 236
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 203 DQQVPLVKVTHH-VTSSVTLRCRALNYPQNTMKWLKD--KQPMDAKEFPKDVLPN 259
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Qy 237 GDGTFOKWAAVVVP 250
|||||:|||||:
Db 260 GDGTQGMWITLAVP 273
|||||:|||||:
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Search completed: April 7, 2006, 13:06:42
Job time : 13.557 secs